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Plan NOW to participate in Audio Devices

\$16,000 educational awards

72 awards totaling over \$16,000 worth of Sound Recording Equipment and tape or discs will be donated by Audio Devices, Inc.

HERE'S A once-in-a-lifetime opportunity for any high school or college that wishes to expand its recording facilities or to start a new sound recording program. First award, in *each* of two classifications, will be \$2,000 worth of tape or disc recording equipment, plus \$500 worth of tape and/or discs, plus a bonus of \$250 worth of tape or discs for Distributor endorsement of entry blank. These and 70 other valuable equipment and tape or disc awards will be donated by Audio Devices, Inc., to the schools which, in the opinion

of qualified judges, plan to make the most effective and beneficial use of the recording facilities offered. You can select your own recording equipment, as well as the types of Audiotape or Audiodiscs that best meet your requirements. There's nothing to buy — no strings attached.

For complete details and official entry blank, see your Audiotape Distributor... or write to Audio Devices, Inc., Educational Dept., 444 Madison Avenue, New York 22, N. Y.

HERE'S THE BOOK YOU'VE BEEN WAITING FOR

how to make good tape recordings

THE COMPLETE HANDBOOK OF TAPE RECORDING

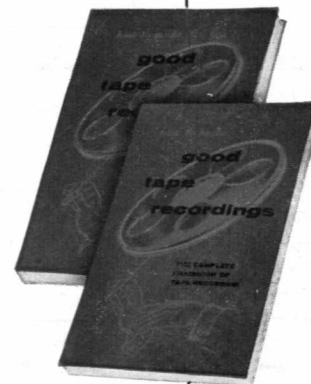
by C. J. LeBel, Vice President, Audio Devices, Inc.

This completely new handbook of tape recording contains up-to-the-minute information of interest and real practical value to *every* tape recordist. Profusely illustrated with photographs, charts and diagrams prepared especially for this book, it contains 150 pages of valuable information on all phases of modern tape recording. The author, Mr. C. J. LeBel, is one of the country's foremost authorities on sound recording.

"How to Make Good Tape Recordings" can be

read and easily understood from cover to cover by even the most inexperienced of home recordists. Yet it contains such a wealth of practical information that it will be a valuable aid to professional tape recordists as well.

Available in deluxe cloth-bound edition at \$2.50, or economy paper-bound edition at \$1.50. Get a copy from your Audiotape distributor or send check or money order direct to Audio Devices, Inc., Dept., 444 Madison Avenue, New York 22, N. Y.



AUDIO DEVICES, Inc.

444 MADISON AVENUE, NEW YORK 22, N. Y.

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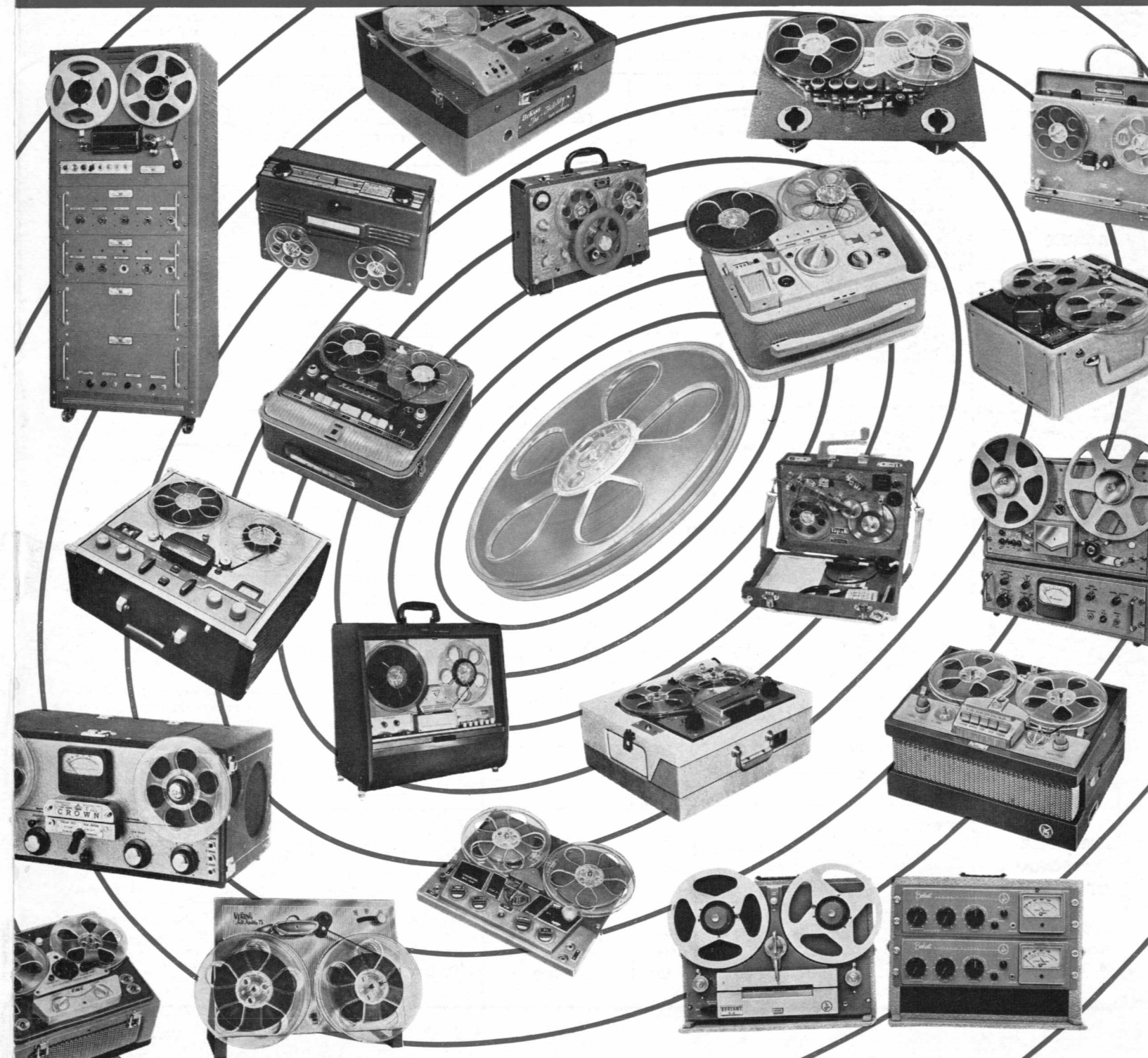
audio record

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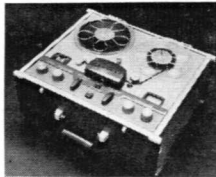
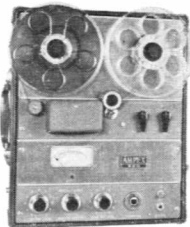
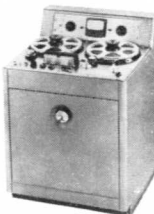
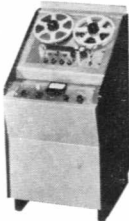
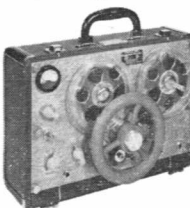
TAPE RECORDER DIRECTORY ISSUE - - - 1956-1957




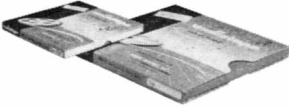




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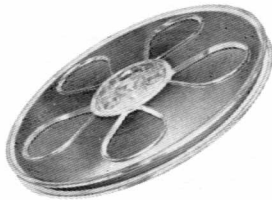
QUICK FACTS ON MAGNETIC TAPE RECORDERS

(Additional Information can be obtained by writing to the manufacturer)

Manufacturer	Model and Price		Frequency Response	Data																											
AMPEX ELECTRIC CORPORATION 934 Charter St., Redwood City, California		A-SERIES Player-Recorders STEREOPHONIC A121 Console \$495.00 A122 Portable \$449.50 MONAURAL A111 Console \$439.50 A112 Portable \$395.00	At 7 1/2"/sec. 30-15,000 cycles ± 2 db. 50- 10,000 cycles At 3 3/4"/sec. 30-7,500 cycles ± 2 db 50- 5,000 cycles	Two-speed units with half-track heads for dual-track recording and monaural or stereophonic playback (in-line heads) through separate amplifier-speakers. Half-track erase heads. Signal-to-noise, better than 50 db below peak record level at 7 1/2"/sec and 40 db at 3 3/4"/sec. Flutter and wow, under 0.25% at 7 1/2"/sec, 0.3 at 3 3/4"/sec. Rewind time, less than 90 sec. for 1200 ft. Inputs: high impedance line 0.75V rms for program level; high impedance microphone. Playback output greater than 0.75 rms into high impedance load. Portable units weigh 35 lb. Console units in blond or mahogany finish. Ten watts output with noise 70 db below rated output. Response essentially flat from 65 to 10,000 cycles. Controls for volume, equalization, selector for tape, TV, tuner or phono.																											
	A621 Amplifier Spkr. (Console) \$229.50 A692 Amplifier Spkr. (Portable) \$199.50																														
	CONSOLE MUSIC SYSTEMS A423 \$1470 A323 \$1070		(as above)	A423 console includes A121 stereophonic recorder, AM-FM radio, 3-speed record player and two amplifier-speaker systems for stereo tape playback. A323 includes A121 stereophonic recorder and amplifier-speaker systems only.																											
		Model 601 Portable Tape Recorder \$545.00	40-15,000 cycles (± 4 db) at 7 1/2"/sec. (± 2 db 40 to 10,000 cycles)	Portable, professional-type single-track or dual-track recorder with 7 1/2" tape speed. Takes up to 7" reels. Signal-to-noise, over 55 db. Flutter and wow, below 0.17%. Starting and stopping time, less than 1/5 second. Fast forward and rewind, 90 seconds for 1200 ft. Timing accuracy ± 0.2% for 30 minute recording. Separate record and playback amplifiers. Separate erase, record and playback heads. VU meter, independent level controls for microphone and line, phone jack for monitoring input or tape while recording. Weight, 28 lb.																											
	Model S-5290 2-Track Stereophonic Portable \$995.00		(± 2 db 50 to 10,000 cycles)	Model 601 tape transport with two modified 601 electronic chassis. Full-track erase, two-track record and two-track playback. Signal-to-noise, over 50 db either channel. Inter-track crosstalk rejection, over 50 db.																											
		Model 300-C Console Tape Recorder \$2046.00	30-15,000 cycles (± 2 db) at 15"/sec. 40-15,000 cycles (± 4 db) at 7 1/2"/sec. (± 2 db 40 to 10,000 cycles)	Professional-type, single-track, dual-speed recorder operating at 15" and 7 1/2" per sec. Signal-to-noise, over 60 db by NAB standards. Instant start and stop. Flutter and wow, less than 0.1% at 15"/sec. Rewind time, 1 min. for 2400-ft. reel. Timing accuracy, ± 0.2%. Push button controls for start, stop and record—may be remotely operated. Separate long-life, plug-in heads for erase, record and playback. Other features as on Model 350C below. Also available for portable or rack mounting.																											
	Model 350-C Console Tape Recorder \$1315.00	30-15,000 cycles (± 2 db) at 15"/sec. 30-15,000 cycles (± 4 db) at 7 1/2"/sec. 50-7,500 cycles (± 2 db) at 3 3/4"/sec.	Professional-type single or dual-track recorder with tape speeds of 7 1/2" and 15" or 3 3/4" and 7 1/2". Signal-to-noise, 60 db (single track) or 55 db (dual track). Flutter and wow, less than 0.2% at 15"/sec. Instantaneous starting. Rewind time, 1 min. for 2400 ft. reel. Timing accuracy, ± 0.2%. Push-button controls for start, stop, fast forward and rewind. Independent record and playback systems permit monitoring input or tape during recording or playback. Also available for portable or rack mounting.																												
Other Equipment:			Two and three channel recorders for stereophonic or binaural sound recording and parallel recording. Portable or rack mounting. Information on request.																												
AMPLIFIER CORPORATION OF AMERICA 398 Broadway New York 13, N. Y.		<table><tr><th>Model</th><th>Speed in/sec.</th><th>Price</th></tr><tr><td>610-AV</td><td>15/16</td><td>\$365</td></tr><tr><td>610-BV</td><td>1 7/8</td><td>315</td></tr><tr><td>610-CV</td><td>3 3/4</td><td>345</td></tr><tr><td>610-TV</td><td>7 1/2</td><td>365</td></tr><tr><td>610-DV</td><td>7 1/2</td><td>385</td></tr><tr><td>610-EV</td><td>15</td><td>425</td></tr></table>	Model	Speed in/sec.	Price	610-AV	15/16	\$365	610-BV	1 7/8	315	610-CV	3 3/4	345	610-TV	7 1/2	365	610-DV	7 1/2	385	610-EV	15	425	<table><tr><td>300- 2,500 cps</td></tr><tr><td>100- 3,000 cps</td></tr><tr><td>50- 5,000 cps</td></tr><tr><td>50- 7,500 cps</td></tr><tr><td>50- 7,500 cps</td></tr><tr><td>50-15,000 cps</td></tr></table>	300- 2,500 cps	100- 3,000 cps	50- 5,000 cps	50- 7,500 cps	50- 7,500 cps	50-15,000 cps	Completely self-contained battery-operated portables with spring motor drive. 610-DV and EV are single track—others, dual track. Winding interval 3 to 30 min., depending on tape speed. Motor can be rewound while operating. VU meter for measuring record level, output level, "A" battery and "B" battery. Playback through earphones or external amplifier. PM erase optional at extra cost. High and low level inputs. Output impedance, 50,000 ohms. Incoming signal can be monitored by VU meter or earphones. Dimensions, 6 1/2" x 9 1/2" x 14". Weight, approx. 19 lb.
	Model	Speed in/sec.	Price																												
610-AV	15/16	\$365																													
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50-15,000 cps																															

MISCELLANEOUS AUDIOTAPE ITEMS


Item	Type No.	Description	List Price
EMPTY AUDIOTAPE REELS IN INDIVIDUAL BOXES 	Standard Reels 3PB 4PB 5PB 7PB 10RB 10FS 14RB 10H	3" Plastic Reel in Box 4" Plastic Reel in Box 5" Plastic Reel in Box 7" Plastic Reel in Box 10 1/2" Aluminum Reel in Box 10 1/2" Fiberglass (RETMA) in Box 14" Aluminum Reel in Box NARTB Metal Hub	\$.25 .45 .60 .75 4.00 4.00 7.40 .70
	Colored Plastic Reels 5PBR 5PBY 5PBG 5PBB 7PBR 7PBY 7PBG 7PBB	Red Yellow Green Blue } 5" Plastic Reel in Box Red Yellow Green Blue } 7" Plastic Reel in Box	.60 .75
EMPTY AUDIOTAPE BOXES 	3B 4B 5B 7B 10B 14B	For 3" Reel For 4" Reel For 5" Reel For 7" Reel For 10 1/2" Reel For 14" Reel	.15 .20 .20 .20 .75 1.00
CORRUGATED MAILING BOXES Strong, re-usable containers	5M 7M 10M	For 5" Reels For 7" Reels For 10 1/2" Reels	.15 .20 .30
RECORDING HEAD CLEANER Superior to carbon tetrachloride	1HC	One oz. Bottle with Brush	.65
AUDIO SELF-TIMING LEADER TYPE 	3L	A strong, durable leader tape of white "Mylar" material with spaced markings to permit accurate rate timing of leader intervals. 100 ft., 1/4" wide, Individually Boxed	.55
ADHESIVE REEL LABELS 	30AL	Provide positive identification of your tapes, right on the reel. Simply press to apply, pull off to remove. Envelope of 30, 2" x 2 1/2" labels	.20
AUDIO HEAD DEMAGNETIZER 	400	Removes all permanent magnetism from recording and reproducing heads in a matter of seconds. With 7-ft. Cord, Individually Boxed	10.00
AUDIO HEAD ALIGNING TAPE Pre-recorded at 2,000, 10,000 and 15,000 cps (15"/sec.) with precisely correct head alignment. Individually boxed, with instructions. . . .	200	300 ft. on 5" reel, individually boxed, with instructions . . .	10.00
	25C	Deluxe cloth-bound edition	2.50
	15P	Paper-bound edition	1.50



The COMPLETE LINE of professional quality

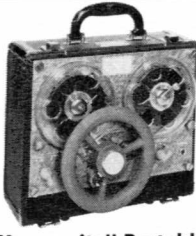



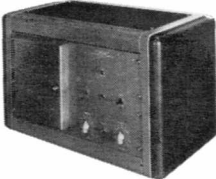

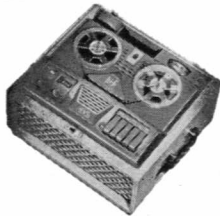

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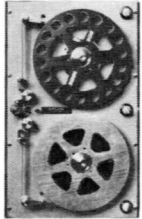




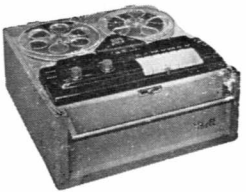
"it speaks for itself"




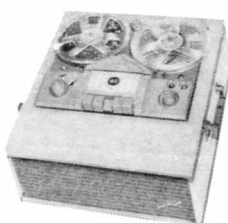

Description	Type No.*	Length	Reel †	List Price Each
 PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in the Red Box) Meets the most exacting requirements of the professional, educational and home recordist at minimum cost. Known the world over for its matchless performance and consistent uniform quality. Series 51.	151	150 ft.	3" Plastic	\$ 0.70
	351	300 ft.	4" Plastic	1.35
	651	600 ft.	5" Plastic	2.25
	1251	1200 ft.	7" Plastic	3.50
	2551H	2500 ft.	NARTB Hub	8.50
	2551R	2500 ft.	10½" Aluminum Reel	10.90
 COLORED PLASTIC-BASE AUDIOTAPE on 1½-mil cellulose acetate (in same box as above with label for color) Green and blue colored Audiotape, in conjunction with the standard red-brown tape, provide instant visual identification of recorded selections spliced into a single reel (as shown) — permit fast and easy color cueing and color coding. Eliminate need for identifying leaders between selections.	2551FS	2500 ft.	10½" Fiberglass (RETMA)	10.90
	5051H	5000 ft.	NARTB Hub	17.00
	5051R	5000 ft.	14" Aluminum Reel	22.10
	151G	150 ft.	3" Plastic	.70
	351G	300 ft.	4" Plastic	1.35
	651G	600 ft.	5" Plastic	2.25
 "LR" LONGER-RECORDING AUDIOTAPE on 1-mil Mylar® polyester film (in the Black and Red Box) 50% more recording time per reel. The strong, super-durable polyester film base assures trouble-free operation even under severe conditions of heat and humidity. Series 61. ®DuPont Trade Mark	1251G	1200 ft.	7" Plastic	3.50
	2551HG	2500 ft.	NARTB Hub	8.50
	2551RG	2500 ft.	10½" Aluminum Reel	10.90
	2551FSG	2500 ft.	10½" Fiberglass (RETMA)	10.90
	5051HG	5000 ft.	NARTB Hub	17.00
	5051RG	5000 ft.	14" Aluminum Reel	22.10
 PLASTIC-BASE "LR" AUDIOTAPE on 1-mil cellulose acetate (in the Blue Box) 50% more recording and playback time on low-cost 1-mil cellulose acetate base, affording maximum economy for applications where high strength is not required. Series 41.	261	225 ft.	3" Plastic in Self-Mailer Pkg	1.00
	961	900 ft.	5" Plastic	3.75
	1861	1800 ft.	7" Plastic	6.50
	3661H	3600 ft.	NARTB Hub	12.50
	3661R	3600 ft.	10½" Aluminum Reel	15.00
	3661FS	3600 ft.	10½" Fiberglass (RETMA)	15.00
 AUDIOTAPE ON 1½-MIL "MYLAR" (in the Green Box) A premium-quality professional tape that provides the utmost in mechanical strength and immunity to temperature and humidity. Will not dry out or embrittle with age. Series 71.	7261H	7200 ft.	NARTB Hub	26.00
	7261R	7200 ft.	14" Aluminum Reel	32.00
	941	900 ft.	5" Plastic	3.50
	1841	1800 ft.	7" Plastic	5.50
	3641H	3600 ft.	NARTB Hub	10.00
	3641R	3600 ft.	10½" Aluminum Reel	12.85
 SUPER-THIN AUDIOTAPE on ½-mil "Mylar" (in the Yellow Box) Twice as much recording time per reel as standard plastic-base tape. Suitable for extended-play applications where tape tension is not excessive. Series 31.	3641FS	3600 ft.	10½" Fiberglass (RETMA)	12.85
	7241H	7200 ft.	NARTB Hub	20.00
	7241R	7200 ft.	14" Aluminum Reel	26.00
	671	600 ft.	5" Plastic	4.25
	1271	1200 ft.	7" Plastic	7.00
	2571H	2500 ft.	NARTB Hub	12.75
 STANDARD PLASTIC-BASE AUDIOTAPE (in the Yellow Box) 30 reels or more of any one color. To designate color of reel (Red, Yellow, Green or Blue) add letters "RR", "YR", "GR" or "BR" to Type No. Listed. E.g.—Type 1251YR covers 1200 feet of standard plastic-base tape on Yellow Reel. Type 1251GBR covers 1200 feet of Green plastic-base tape on Blue Reel. † "FS" in Type No. indicate Fiberglass reel with solid hub and 5/16" center hole.	2571R	2500 ft.	10½" Aluminum Reel	15.15
	2571FS	2500 ft.	10½" Fiberglass (RETMA)	15.15
	5071H	5000 ft.	NARTB Hub	30.30
	5071R	5000 ft.	14" Aluminum Reel	36.30
	1231	1200 ft.	5" Plastic	5.00
	2431	2400 ft.	7" Plastic	9.25

* Type Numbers listed cover red oxide wound on reel with OXIDE IN. For tape wound with Oxide Out, change last digit of Type No. from "1" to "0". E.g. Audiotape 1250 covers 1200 ft. reel of plastic base tape wound with Oxide Out.
† COLORED PLASTIC REELS. Audiotape on 5" and 7" plastic reels can be supplied on colored reels at no increase in price when ordered in lots of

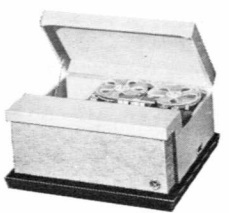
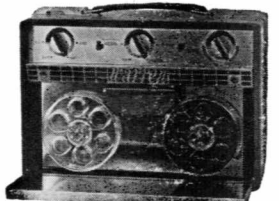
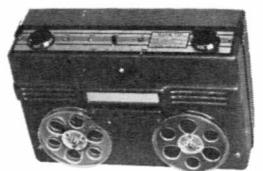



30 reels or more of any one color. To designate color of reel (Red, Yellow, Green or Blue) add letters "RR", "YR", "GR" or "BR" to Type No. Listed. E.g.—Type 1251YR covers 1200 feet of standard plastic-base tape on Yellow Reel. Type 1251GBR covers 1200 feet of Green plastic-base tape on Blue Reel. † "FS" in Type No. indicate Fiberglass reel with solid hub and 5/16" center hole.


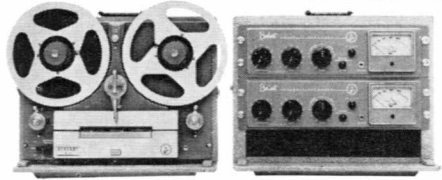
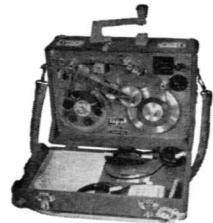
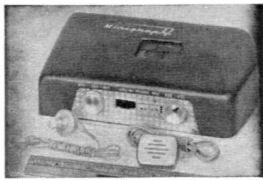


Manufacturer	Model and Price			Frequency Response	Data																											
AMPLIFIER CORPORATION OF AMERICA 398 Broadway New York 13, N. Y. (other models available)		<table><thead><tr><th>Model</th><th>Speed in./sec.</th><th>Price</th></tr></thead><tbody><tr><td>610-A</td><td>15/16</td><td>\$275</td></tr><tr><td>610-B</td><td>1 7/8</td><td>225</td></tr><tr><td>610-C</td><td>3 3/4</td><td>255</td></tr><tr><td>610-TD</td><td>7 1/2</td><td>275</td></tr><tr><td>610-SD</td><td>7 1/2</td><td>295</td></tr><tr><td>610-E</td><td>15</td><td>335</td></tr><tr><td>610-DM</td><td>5/16-7 1/2</td><td>355</td></tr><tr><td>610-EM</td><td>1 7/8-15</td><td>395</td></tr></tbody></table>	Model	Speed in./sec.	Price	610-A	15/16	\$275	610-B	1 7/8	225	610-C	3 3/4	255	610-TD	7 1/2	275	610-SD	7 1/2	295	610-E	15	335	610-DM	5/16-7 1/2	355	610-EM	1 7/8-15	395			Completely self-contained, battery-operated portables with spring motor drive. Models 610-SD and -E, one track. Four speed models 610-DM and -EM, one or two track. All others dual track. Winding interval, 3 to 15 min. Motor can be rewound while operating. Indicator signals 30 sec. before motor rewind. Playback through headphones or external amplifier. Optional erase. Dimensions, 11" x 8" x 5" for 610-A and -B; 11" x 10" x 7" for all others. Weight, 12 to 17 lb.
	Model	Speed in./sec.	Price																													
	610-A	15/16	\$275																													
	610-B	1 7/8	225																													
	610-C	3 3/4	255																													
	610-TD	7 1/2	275																													
	610-SD	7 1/2	295																													
	610-E	15	335																													
	610-DM	5/16-7 1/2	355																													
	610-EM	1 7/8-15	395																													
	<p>Weatherite "Magnemites" (Add \$30 to price of Std. Units)</p>		as above	All standard "Magnemites" available in weather-tight sealed aluminum cases with tongue and grooved edges and built-in neoprene gasket seals. Will successfully withstand severe environmental conditions. Satin finished case anodized to resist corrosion.																												
	<p>"Flyweight Magnemite"</p> <table><tbody><tr><td>310-A</td><td>15/16</td><td>340</td></tr><tr><td>310-B</td><td>1 7/8</td><td>290</td></tr><tr><td>310-C</td><td>3 3/4</td><td>320</td></tr><tr><td>310-TD</td><td>7 1/2</td><td>340</td></tr><tr><td>310-SD</td><td>7 1/2</td><td>360</td></tr><tr><td>310-E</td><td>15</td><td>400</td></tr></tbody></table>	310-A	15/16	340	310-B	1 7/8	290	310-C	3 3/4	320	310-TD	7 1/2	340	310-SD	7 1/2	360	310-E	15	400		<p>300- 2,500 cps 100- 3,000 cps 50- 5,000 cps 50- 7,500 cps 50- 7,500 cps 50-15,000 cps</p>	Portable, battery-operated electric motor driven recorders with single tape speed. Models 310-SD and 310E are single track, others dual track. Net weight, only 8 lb. Max. reel size, 5". Rewind time, 2 min. Earphone monitor and playback. No erase. PM erase available as optional feature. Powered by 5 replaceable mercury batteries. Dimensions, 5 1/2" x 9" x 12".										
310-A	15/16	340																														
310-B	1 7/8	290																														
310-C	3 3/4	320																														
310-TD	7 1/2	340																														
310-SD	7 1/2	360																														
310-E	15	400																														
	<p>"Secret Recorder"</p> <table><tbody><tr><td>210-B</td><td>1 7/8</td><td>349</td></tr><tr><td>210-BC</td><td>1 7/8 3 3/4</td><td>369</td></tr></tbody></table>	210-B	1 7/8	349	210-BC	1 7/8 3 3/4	369		<p>100- 3,000 cps 100- 3,000 cps 50- 5,000 cps</p>	Hidden in zipper compartment of briefcase, operates anywhere on dry cell batteries. Hidden microphone and concealed start-stop clasp switch. Dual track, single or 2-speed recorder operates on replaceable batteries. Maximum reel size 5". Rewind time, 2 min. Earphone playback. No erase. PM erase available as optional feature. Weight complete, including briefcase, 11 3/4 lb.																						
210-B	1 7/8	349																														
210-BC	1 7/8 3 3/4	369																														
	<p>SINGLE CHANNEL</p> <table><tbody><tr><td>535-B</td><td>1 7/8</td><td>345</td></tr><tr><td>535-C</td><td>3 3/4</td><td>365</td></tr><tr><td>535-D</td><td>7 1/2</td><td>385</td></tr><tr><td>535-E</td><td>15</td><td>405</td></tr></tbody></table> <p>DUAL CHANNEL</p> <table><tbody><tr><td>536-B</td><td>1 7/8</td><td>495</td></tr><tr><td>536-C</td><td>3 3/4</td><td>515</td></tr><tr><td>536-D</td><td>7 1/2</td><td>535</td></tr><tr><td>536-E</td><td>15</td><td>555</td></tr></tbody></table>	535-B	1 7/8	345	535-C	3 3/4	365	535-D	7 1/2	385	535-E	15	405	536-B	1 7/8	495	536-C	3 3/4	515	536-D	7 1/2	535	536-E	15	555		<p>50- 2,500 cps 50- 7,500 cps 50-10,000 cps 50-15,000 cps 50- 2,500 cps 50- 7,500 cps 50-10,000 cps 50-15,000 cps</p>	Designed to record and play back any messages, musical programs or sound effects up to 60 min. in length on cartridge-loaded endless loop of std. 1/4" tape. Automatic erase. Push-button start and stop, switch or relay remote control. Electronic-eye recording level indicator. Microphone and bridging inputs. Output impedance, 600 ohms. Output level, +6VU. Headphone monitoring. Standard rack panel mounting or custom rack cabinet. Size, 19" x 8 3/4" x 9 1/2". Weight, 24 lb.				
535-B	1 7/8	345																														
535-C	3 3/4	365																														
535-D	7 1/2	385																														
535-E	15	405																														
536-B	1 7/8	495																														
536-C	3 3/4	515																														
536-D	7 1/2	535																														
536-E	15	555																														
	<p>"Stereo-Magnemite"</p> <table><tbody><tr><td>611-C</td><td>3 3/4</td><td>355</td></tr><tr><td>611-D</td><td>7 1/2</td><td>395</td></tr><tr><td>611-E</td><td>15</td><td>435</td></tr></tbody></table>	611-C	3 3/4	355	611-D	7 1/2	395	611-E	15	435		<p>100- 3,000 cps 50- 7,500 cps 50-15,000 cps</p>	Portable, stereophonic battery-operated spring-motor recorder. Mechanically similar to 610 series. Two separate channels for stereophonic recording. Independent gain for each channel. Can be monitored with binaural headphones while recording. Optional P.M. erase. Playback through earphones or external amplifiers and speakers. Input impedance, 1 Megohm. Output impedance, 50,000 ohms. Size, 8 1/2" x 11" x 10". Weight, 17 lb.																			
611-C	3 3/4	355																														
611-D	7 1/2	395																														
611-E	15	435																														
AMPRO CORPORATION 2835 North Western Ave. Chicago 18, Ill. For information write to GRAFLEX, INC. 154 Clarissa St. Rochester 8, N. Y.		<p>"Hi-Fi Two Speed"</p> <p>Model 757 \$249.95 Model 757T \$284.45</p>	<p>40-12,500 cycles at 7 1/2"/sec. 40-6,000 cycles at 3 3/4"/sec.</p>	Portable, dual-track, dual speed recorder with or without built-in radio tuner. Includes "Piano Key" controls, electronic eye recording level indicator, automatic selection locator, and provision for mixing and monitoring live and radio-phono inputs. Flutter and wow, less than 0.5%. Fast forward, 72"/sec. Rewind, 120"/sec. Signal-to-noise, 42 db. Power output, 3.2 watts. Built-in 6" x 9" PM speaker. Input receptacles for microphone, radio-phono, or remote control. Weight, 34 lb.																												
AUDIOMATION LABORATORIES 7230 Clinton Rd. Upper Darby 23, Pa.		<p>CONCERTCASTER Continuous Tape Player</p> <p>Without Pwr. Amp. \$835.00 With 10W Pwr. Amp. \$905 With 25W Pwr. Amp. \$935</p>	<p>40-8,000 Cycles at 3 3/4"/sec. 40-15,000 Cycles at 7 1/2"/sec.</p>	Heavy-duty console type tape phonograph for providing up to 8 hours of unattended, background music without repetition. Two speeds. Automatic reversal and shut-off with unmodified tape. Automatic, continuous re-cycling or shut-off controlled by switch on panel. Simple controls, light tape tension. Easy and precise head alignment. Signal-to-noise, better than 50 db at 7 1/2"/sec. Hysteresis synchronous capstan motor and two 4-pole torque motors. Max. reel size, 14".																												


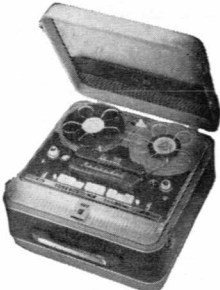
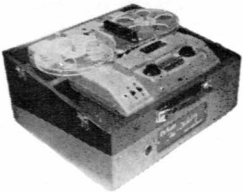
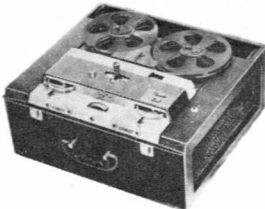
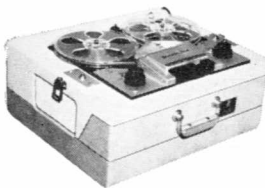
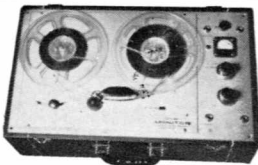
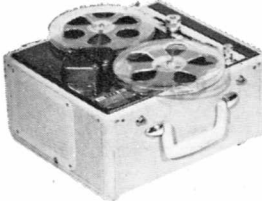
Manufacturer	Model and Price	Frequency Response	Data
AUDIOMATION LABORATORIES 7230 Clinton Rd. Upper Darby 23, Pa.	 FIDELIVOX Continuous Tape Player With single-ended, unbalanced Preamp. \$730.00 With push-pull, balanced Preamp. \$755.00	40-8,000 cycles at 3 3/4"/sec. 40-15,000 cycles at 7 1/2"/sec.	Heavy-duty rack-type tape phonograph for providing up to 8 hours of unattended, background music without repetition. Mounts in 31 1/2" of space in standard 19" rack. Mechanical and electrical data similar to Concert-caster model, shown on Page 3.
	 VaryTape System With push-pull line Amp. plus 8 VU, balanced \$1,750.00	as above	Consists of two identical Fidelivox automatic 8-hour tape-handling mechanisms arranged for unlimited variation of program continuity by the automatic inter-mixture of the music content of any two reels. Automatically stops one mechanism and starts the other whenever 30 seconds or more of silence occurs on the tape being played. Permits up to 16 hours of music without repetition. Cycling fully automatic and infinitely adjustable.
BELL & HOWELL COMPANY 7100 McCormick Rd. Chicago 45, Ill.	 Bell & Howell Miracle 2000 Model 300-MI Mahogany \$299.50 Model 300-BI Blond Oak \$314.50	50-10,000 cycles (±2 db) at 7 1/2"/sec. 50-6,500 cycles (±3 db) at 3 3/4"/sec.	Manual turnover dual-track recorder with tape speeds of 7 1/2" and 3 3/4" per second. Four speakers: two 8" woofers on opposite sides of case and two electrostatic tweeters behind front grill. Three separate motors with electro-magnetic instant braking. Interlocking push-button controls for stop, forward, rewind, play, speaker and record (with safety lock). Automatic tape shut off. Program indicator with manual reset. Fast forward and rewind, 1200 feet in 40 seconds. Wow and flutter below 0.2% at 7 1/2"/sec. Delivers over 8 watts audio. Signal-to-noise, better than 40 db. Distortion less than 3% at 4 watts. Speaker selector switch. Output jacks for external amplifier and speaker. Two neon record level lamps. Illuminated volume and tone controls. Prices include controlled reluctance microphone, power cord, radio-phono patch cord and 7" reel.
	 TDC "Stereotone" Portable \$249.50	50-10,000 cycles (±2 db) at 7 1/2"/sec. 50-8,000 cycles (±3 db) at 3 3/4"/sec.	Two speed, manual turnover dual-track recorder. Vertical design with 10 inch extended range speaker. Tape speeds of 7 1/2" and 3 3/4" per second. 7" maximum reel size. Three separate motors with electro-magnetic instant braking. Interlocking push button controls for stop, forward, rewind, play, speaker and record (with safety lock). Automatic tape shut off. Program indicator. Fast forward and rewind, 1200 feet in 40 seconds. Wow and flutter below 0.2% at 7 1/2" per second. Delivers over 8 watts audio. Signal-to-noise, better than 36 db. Distortion, less than 3% at 4 watts. Output jacks for external amplifier and extension speaker. Two neon record level lamps. Illuminated volume and tone controls. May be used as public address system. Prices include controlled reluctance microphone, power cord, radio-phono patch cord and 7" reel.
BELL SOUND SYSTEMS, Inc. Columbus 7, Ohio	 Model RT-75 Three-Speed Recorder \$164.95	30-12,000 cycles at 7 1/2"/sec. 30-7,500 cycles at 3 3/4"/sec. 50-4,500 cycles at 1 7/8"/sec.	Portable dual-track recorder with single-lever speed selector for 7 1/2", 3 3/4" or 1 7/8" per second. Pushbutton recording switch with safety interlock. Fast forward and rewind. Neon recording level indicator. 6" x 9" oval speaker. Two microphone inputs and one radio-phono input. Outputs for external speaker and external amplifier. Power output, 3.5 watts. Crystal microphone included. Weight, 35 lb.
	 Model RT-88 Two-Speed Recorder \$139.95	50-10,000 cycles at 7 1/2"/sec.	Dual-track recorder with tape speeds of 7 1/2" and 3 3/4" per second. Pushbutton controls for tape speed, record, play, fast forward, rewind and stop. Separate tone and volume controls. Neon recording level indicator. Three-motor operation. Inputs for microphone and radio-phono. Outputs for external loudspeaker and monitor headphones. Power output, 3.5 watts. Weight, 27 lb.


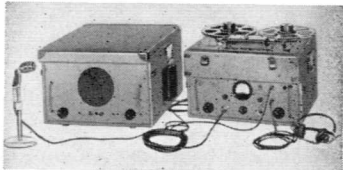
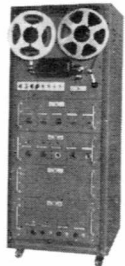
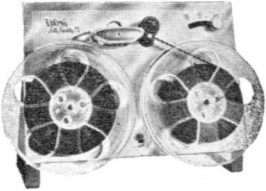


Manufacturer	Model and Price	Frequency Response	Data
WEBSTER ELECTRIC CO. Racine, Wisconsin	 "Ekotape" Portable Model 260 \$225.00	40-7,000 cycles at 7 1/2"/sec. 40-4,000 cycles at 3 3/4"/sec.	Portable, two-speed, dual-track recorder similar to Model 250 on Page 16 except as follows. Signal-to-noise, 35 db. Neon glow tube recording level indicator. Output jack for external speaker. Power output, 2 1/2 watts at 5% distortion. Weight, 29 lb.
	 "Recordio" Model 375 \$99.95 Model 620 (Special 375) \$109.95 Model 750 \$99.95 Model 621 (Special 750) \$109.95	85-7,000 cycles at at 3/4"/sec. 85-8,000 cycles at 7 1/2"/sec.	Portable, single speed, dual-track recorders with "Prest-Omatic" push-button keyboard. Signal-to-noise, 35 db. minimum. Wow and flutter: 0.5% at 3 3/4"/sec., 0.35% at 7 1/2"/sec. Neon normal and overload recording level indicators. Record lock button prevents accidental erase. Fast forward and rewind, less than 2 3/4 min. for 1200 ft. Amplifier, 3 watts output. Input for radio-phono-TV. Output for earphone monitoring or external speaker. Includes 4" round speaker and crystal microphone. Weight, 26 lb. "Special" models same as above, but in deluxe tu-tone case.
WILCOX-GAY CORPORATION Charlotte, Michigan	 The Jet Model CL622 Cartridge Loader \$129.95	65-9,000 cycles at at 3 3/4"/sec.	Portable, dual-track recorder with 3 3/4"/sec. tape speed and cartridge tape loading. Signal-to-noise, 35 db minimum. Wow and flutter, 0.5%. "Magic Eye" recording level indicator. Record lock button. Amplifier, 3 watts output. Output for earphone monitoring or external speaker. Includes 4" x 6" speaker, microphone, and cartridge of pre-recorded tape. Weight 22 lb.
	 The Master Model 642 (2 speakers) \$149.95 The Deulxe Model 651 (3 speakers) \$189.95 The Convertible Model 674 (5 speakers) \$229.95	80-8,500 cycles at 7 1/2"/sec. 65-10,000 cycles at 7 1/2"/sec. 65-12,500 cycles at 7 1/2"/sec.	Portable, two-speed, dual-track recorders with tape speeds of 7 1/2" and 3 3/4"/sec. by switch control. Signal-to-noise, 35 db minimum. Wow and flutter: 0.3% at 7 1/2"/sec., 0.5% at 3 3/4"/sec. Neon normal and overload recording level indicators. Other recorder features same as for Models 375 and 750 above. Model 642 has one 5" x 7" elliptical and one 4" round speaker. Weight 33 lb. Model 651 has tape timer and one 6" x 9" elliptical, one 4" round speaker and one "tweeter". Weight, 35 lb. Model 674 has tape timer, 7 watt amplifier output and 5 speakers — one 6" x 9", two 4" and two "tweeters". Also three extension speaker jacks. Weight, 40 lb. Steel tube legs convert portable unit to chair-side consolette.
	 The Imperial Model 686 (6 speakers) \$269.95 The Coronet Model 785 (7 speakers, clock radio) \$329.95	65-15,000 cycles at 7 1/2"/sec.	Portable, two-speed, dual-track recorder with 7 1/2" and 3 3/4"/sec. tape speeds, visual tape timer, remote control and six speakers—two 6" round, two 4" round and two high frequency electrostatic "tweeters". Signal-to-noise, 35 db minimum. Wow and flutter: 0.2% at 7 1/2"/sec., 0.38% at 3 3/4"/sec. Amplifier output, 8 watts. Other recorder features same as for Model 674 above. Weight, 47 lb. Model 785 same as Model 686, except with seven speakers and built-in Telechron-timed 8-tube clock radio. Speaker system includes two 6" round, two 4", two high-frequency electrostatic "tweeters" plus one roving 12" P.A. type speaker in base with 25' extension cord. Weight, 50 lb.
	Tape-Disc Recordio Model 4C-10 \$199.95	80-6,000 cycles at 3 3/4"/sec.	Portable combination tape and disc recording and reproducing unit with 3 3/4" tape speed and 78 rpm disc speed. Records tape, discs, tape to disc or disc to tape. Weight, 30 lb.

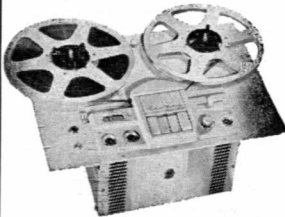
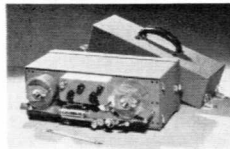
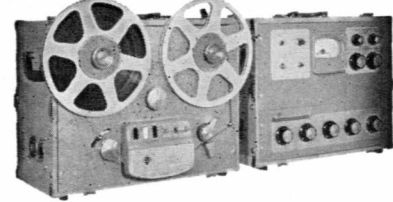
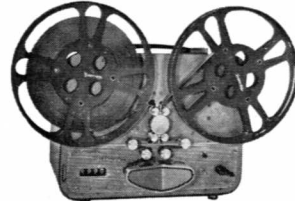
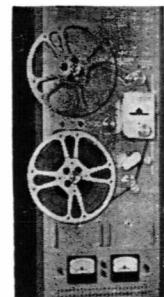


All specifications and performance data on tape recorders listed in this directory are based on information supplied by the manufacturer. Performance data are generally based on average values and individual machines sometimes vary widely from published figures, depending on the amount of quality control exercised in manufacture.
Prices subject to change without notice. Consult manufacturer or local dealer for exact price, as some prices are list and other net.


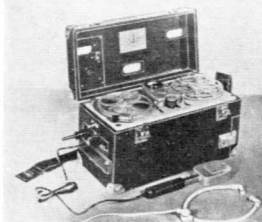



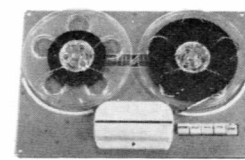
Manufacturer	Model and Price	Frequency Response	Data
V-M CORPORATION Benton Harbor, Michigan	 "Celeste" Stereo/Playback Table Model 750 \$259.95	40-15,000 cycles (± 5 db) at 7 1/2"/sec.	Teams with any other amplifier-speaker for stereophonic playback. Two-speed, dual-track monaural recorder with 3 speakers—two heavy-duty 8" woofers and a 3.5" tweeter. Power output, 5 watts. 75 KC record bias and power erase. Better than 45 db signal-to-noise ratio. Less than 0.4% RMS flutter and wow. External amplifier and speaker jacks, push-button controls, precision tape index counter, "recording normal" light, "distort" light, automatic shutoff, balanced tone control, monitor switch, pause button, safety switch, 3-way input receptacle and storage compartment. Blonde or mahogany furniture-finished cabinets. Optional legs convert it to consolette.
J. C. WARREN CORPORATION 21 Hanse Ave., Freeport, N. Y.	 777 Series Battery Portables Tapo Model 777 (blue) \$295.00 Traveler Model 771-1 (brown) 298.50 Tempo Model 777-2 (gray) 314.00	to cps at 3,500 - 1 1/8"/sec. 6,000 - 3 3/4"/sec. 12,000 - 7 1/2"/sec.	Portable dual track tape recorders with completely self-contained battery powered tape transport, amplifier and speaker for playback. Rechargeable battery cycle up to eight hours depending on tape speed. Has self-contained battery recharger. May be operated on 110 AC. Rewind is electric: speed 10 to 1. Maximum reel size, 5". May be operated with door open or closed. Monitors while recording. Inputs for microphone and headphone monitoring. Crystal or ceramic microphone included. Accessories include snap-on retractable legs, canvas carrying case and shoulder strap. Weight 21 lbs. Size 6" x 10" x 15".
	 Privateer Mark VIII \$379.00	to 3,500 cycles at 1 1/8"/sec.	Portable dual track tape recorder, self-contained rechargeable batteries. Rewind electric. No batteries to replace. Battery charger separate unit but included in price. Units may be operated in covert fashion in briefcase from external concealed switch and making use of external concealed microphone. Available accessories include input level indicator, headset, external microphone, telephone recording adaptor.
WEBSTER-CHICAGO CORPORATION 5610 Bloomingdale Ave., Chicago 39, Ill.	 Webcor "Royal" with Radio \$229.95 without Radio \$189.95	50-10,000 cycles at 7 1/2"/sec. 50-7,500 cycles at 3 3/4"/sec.	Portable, two speed, dual-track recorder with two recording heads permitting track change without reel turnover. Signal-to-noise, 50 db. Wow and flutter, less than 0.4%. Electronic eye recording level indicator. Four-way master control. Automatic shut-off at either end of tape. Speedometer-type footage counter. Power output, 8 watts. 6" wide range speaker. Output selector switch for normal recording, monitoring or external amplifier. Inputs for microphone, radio-phono, other tape recorder. Weight, 47 lb. Radio tuner (when furnished) is transistor type with printed circuit.
	 Webcor "Royal Coronet" with Radio \$279.95 without Radio \$239.95	50-12,000 cycles at 7 1/2"/sec. 50-8,000 cycles at 3 3/4"/sec.	All features same as "Royal" model, except in larger case with three-speaker system consisting of two 6" and one 4" speaker with total cone area of 65 sq. in. Weight, 54 lb.
WEBSTER ELECTRIC CO. Racine, Wisconsin	 "Ekotape" Model 250 (Portable) \$269.50 Model 252 (Lined Oak) \$289.50 Model 254 (Mahogany) \$289.50 Model 252	30-10,000 cycles at 7 1/2"/sec. 50-5,500 cycles at 3 3/4"/sec.	Two speed, dual-track recorders in portable and consolette models. Signal-to-noise, 38 db. Wow, not over 0.3% at 7 1/2"/sec. or 0.5% at 3 3/4"/sec. Meter-type recording level indicator with red sector to show excessive level. Program selection finder. Central control for fast forward, standard forward, rewind and stop. Fast forward ratio, 15 to 1. Rewind ratio, 15 to 1 at 7 1/2"/sec., 30 to 1 at 3 3/4"/sec. Provision for foot, manual and electric controls. Two matched 5" speakers. Power output, 6 watts at 5% distortion. Inputs for microphone and radio-phono. Outputs for external speaker and hi-fi system. Weight, 33 lb. Consolette models have one 6" by 9" oval speaker and a 3" round "tweeter." Matched bass reflex speaker available.

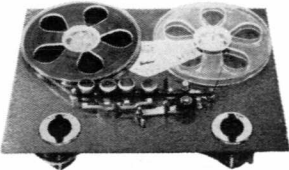

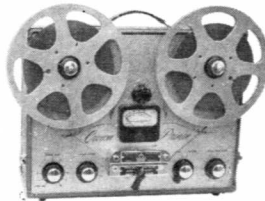
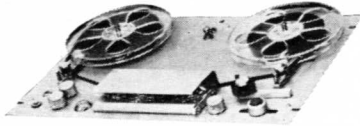
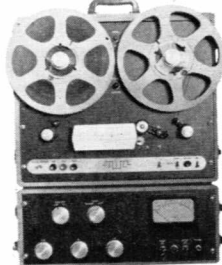
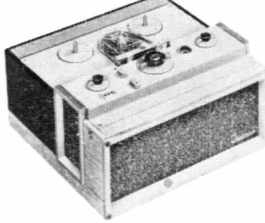
Manufacturer	Model and Price	Frequency Response	Data
BELL SOUND SYSTEMS, Inc. Columbus 7, Ohio	 Cub-Corder Model 2260 (7 1/2 and 3 3/4"/sec.) Model 2261 (3 3/4 and 1 7/8"/sec.) \$224.95	200-6,000 cycles at 7 1/2"/sec.	Dual-track, two-speed battery operated portable. Has microphone with built-in monitor playback level, miniature transmitter for playback thru radio without connections to set, and wet cell batteries that can be recharged from car cigarette lighter outlet. Output for external amplifier. Fast forward and rewind, 37"/sec. Includes ceramic microphone, shoulder strap, battery charger cable, battery syringe, one 600-ft. reel of tape and take-up reel. Weight, 12 7/8 lb.
BERLANT-CONCERTONE Division of American Electronics, Inc. 655 W. Washington Blvd., Los Angeles 15, Cal.	 CONCERTONE CUSTOM Models 21, 22, Rack-Mtd. Recorder.... \$495.00 Model 23, Stereo Recorder 795.00 Models 24, 25, S-O-S Recorder 695.00 Model 26, Full/Half Track Recorder 795.00 BERLANT DELUXE Models 31, 32, Rack-Mtd. Recorder.... 695.00 Model 33, Stereo Recorder 995.00 Models 34, 35, Delayed Broadcast Rec. 845.00 Model 36, Full/Half Track Recorder 995.00 BERLANT-AMERICAN Models 91, 92, Rack-Mtd. Recorder.... 1295.00 Model 93, Stereo Recorder 1695.00 Models 94, 95, Delayed Broadcast Rec. 1445.00 Model 96, Full/Half Track Recorder 1695.00	40-15,000 cycles (± 2 db) at 15"/sec. 50-13,000 cycles (± 2 db) at 7 1/2"/sec. 50-5,000 cycles (± 2 db) at 3 3/4"/sec.	Complete line of broadcast and home hi-fi recorders for portable, rack or custom mounting. All models have following features: Two-speed direct drive motor and two torque motors; 3 heads with provision for 2 more; 4 1/2" UV meter; 2-channel input mixer; A-B test fader and cueing/editing switch. Instant speed selection of 15"/sec and 7 1/2"/sec or 3 3/4"/sec and 7 1/2"/sec. Signal-to-noise, 55 db by proposed NARTB Standard (full track). Total harmonic distortion, 2% at zero VU. Total flutter and wow, less than 0.1% rms at 15"/sec., 0.2% at 7 1/2"/sec. Fast forward and rewind, less than 60 sec. for 2500 ft. High impedance microphone input and unbalanced bridging input. Output impedance, cathode follower, 600 ohms with plug-in transformer. Berlant Deluxe Series features hysteresis synchronous direct drive for maximum timing accuracy. Berlant American Series features etched circuit construction of electronic assembly and hysteresis synchronous direct drive. Tape player units also available.
	 Tapak (tape-pack) Duplex Newscaster \$349.50 Triplex Newscaster \$399.75 Simplex Newscaster \$289.50	100-9,000 cycles at 7 1/2"/sec. 100-9,000 cycles at 7 1/2"/sec. 100-6,000 cycles at 7 1/2"/sec.	The spring-powered equivalent of conventional electric tape recorders. Records, erases, monitors, rewinds at high speed, plays back through built-in 4" x 6" loudspeaker for room size audiences, or will feed an external amplifier or public address system. Has new unitized amplifier with transistorized AC bias oscillator for low battery drain and extended frequency range. Speed 7 1/2" per second (3 3/4" optional). Range: 55-58 db. Same as Duplex Newscaster Model with the addition of a miniature VU meter and provision to drive a 500 ohm line. Can thus drive a line while the recorder function stands by ready to record the material in case of line failure. Speed 7 1/2" per second (3 3/4" optional). Range: 55-58 db. The standard attractively priced Tapak for broadcast use. Records, rewinds at high speed, crystal microphone doubles for playback, feeds external amplifier or phono input of radio for loudspeaker reproduction. Recording characteristics for NARTB on studio equipment or home recorders. Speed 7 1/2" per second (3 3/4" optional). Range: 35-40 db.
	 "Pocketape" Battery Operated Pocket Size Unit \$289.50 (Available Nov. 1956)	100-4,000 cycles	Pocket-size, subminiature tape recorder. Records dual track 1 hour total at 3 3/4" per second or 2 hours at 1 7/8" per second. Records, erases, monitors and plays back through earphone or external amplifier. Interlocks prevent accidental erase or "double exposure". Special 4" reels transferable to any recorder. DC motor operated from 15-hour mercury batteries. Dynamic range, 37 db. Wristwatch mike available as optional accessory.
COLUMBIA RECORDS, Inc. 799 Seventh Avenue, New York 19, N. Y.	 Columbia Model 560 \$139.95	100-5,500 cycles at 7 1/2"/sec.	Portable, two-speed, dual-track recorder with two large PM speakers and single master control for recording or playback. Tape speeds, 7 1/2" and 3 3/4"/sec. Can be used as PA system, with or without auxiliary speaker. Automatic erase, fast forward and rewind speeds. One Brush recording and playback head. Neon record-level indicator. 4-watt amplifier. Includes high-impedance ceramic microphone. Approx. shipping weight, 18 1/4 lb.
CRESCENT INDUSTRIES, INC. 5900 W. Touhy Ave. Chicago 31, Ill.	 Model TR 730 "TUTOR" (3 3/4"/sec.) \$89.95 Model TR 772 "CURATOR" (two speed) \$139.95	50-8,500 cycles at 7 1/2"/sec.	Portable, dual-track recorder with 3 3/4" tape speed. Automatic 50 kc erase, fast forward and rewind, 3-watt amplifier and neon overload indicator. Signal-to-noise, 43-46 db. Speed control accuracy, ± 2%. Includes ceramic microphone. Weight, 20 lb. Portable, two-speed, dual-track recorder. Same features as above plus two-speaker design, provision for start-stop foot switch and torque braking. Mike and radio-phono input. Output jack for external speaker or amplifier. Wow and flutter less than 0.5%. Weight, 24 lb.

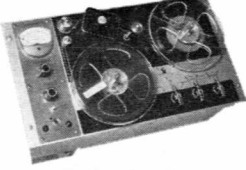
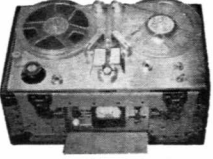
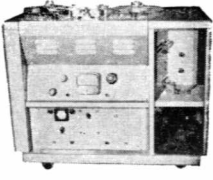



Manufacturer	Model and Price	Frequency Response	Data
CRESCENT INDUSTRIES, INC. 590C W. Touhy Ave. Chicago 31, Ill.	 Model TR 773 "PROFESSIONAL" (2-speaker) \$189.95 Model TR 774 "CHANCELLOR" (3-speaker) \$239.95	70-13,000 cycles at 7 1/2"/sec. 60-5,000 cycles at 3 3/4"/sec.	Portable, two-speed, dual track recorder with illuminated VU meter recording level indicator. Signal-to-noise, 48-51 db. Wow and flutter, less than 0.5%. 4-watt amplifier. Rewind time, 80 sec. for 1200 ft. Provision for foot switch control. Simultaneous monitoring and recording, edit control button, ultrasonic erase. Inputs for mike and radio-phonos; outputs for external speaker and amplifier. Includes wide-range, controlled reluctance microphone. TR773 has two speakers; TR774, three speakers. Weight, approx. 28 lb.
De JUR AMSCO CORP. 45th & Northern Blvd., Long Island City, N. Y.	 De Jur Dual Professional Model TK-820 \$399.50 Model TMB-820 (basic recorder for custom installation) \$329.50	40-16,000 cycles (±2 db) at 7 1/2"/sec. 50-10,000 cycles (±2 db) at 3 3/4"/sec.	Portable dual-track recorder with hysteresis synchronous, dual speed reversible motor and push-button track reversal. All functions electronically controlled by piano key switchboard relay operation. Four separate erase and record-playback heads. Illuminated program selector. Electronic eye recording level indicator. Signal-to-noise, 55 db. Flutter and wow, 0.1% at 7 1/2"/sec.; 0.2% at 3 3/4"/sec. Harmonic distortion, 0.8% at full rated output. Power output, 6 watts undistorted. Rewind ratio, 15 to 1. Inputs: 2 high impedance, 1 low impedance. Outputs: 1 high impedance, 1 low impedance. Model TK820 has five speakers: 2 electrostatic "tweeters", 2 P.M. mid-range speakers and 1 P.M. "woofer". Includes wide-range, dynamic cardioid microphone with matching line transformer. Shipping weight, 55 lb.
DuKANE CORPORATION St. Charles, Ill.	 "Tru-Fidelity" Recorder Model 11A200 \$395.00	50-10,000 cycles (±1 1/2 db) at 7 1/2"/sec. 50-7,500 cycles (±1 1/2 db) at 3 3/4"/sec.	Portable, dual-track, dual-speed recorder with 7 1/2 watt power output. Signal-to-noise ratio, 50 db on playback, distortion less than 5% at full output. Rewind time, 80 seconds for 7" reel. Fast forward, 100 seconds for 7" reel. Output for auxiliary speaker, monitor headphone and for feeding to input of another recorder for direct tape copying. Inputs for microphone, phonograph, radio. Electronic eye recording level indicator, automatic footage counter and exclusive Room Balance Control. Weight, 39 lb.
EDUCATIONAL LABORATORIES INC. 1823 Jefferson Place, N. W. Washington 6, D. C.	 Educorder Dual Model M-6A \$295.00	70-7,500 cycles at 7 1/2"/sec. 70-5,000 cycles at 3 3/4"/sec.	Portable, two speed, two channel recorder with single-knob-control tape mechanism. Two separate record/reproduce amplifiers and two separate record-play-erase heads. Records or plays back both channels simultaneously or records on one while playing back the other. Monitoring by headphones while recording. Signal-to-noise, 40 db. Wow and flutter, 0.3% at 7 1/2"/sec. Fast forward and rewind, 70 sec. for 1200 ft. Nominal .75 watt peak power from each channel. Two input connections for high impedance mikes. Three output connections: Channel 1, Channel 2 and Dual for binaural headphones. Includes headphones and microphone. Weight, 30 lb.
	 Educorder Dual Model M-7A \$320.00	70-8,000 cycles (±3 db) at 7 1/2"/sec. 70-5,000 cycles (±3 db) at 3 3/4"/sec.	Portable, two speed, two channel recorder, providing same dual functions as Model M-6A above. Recorder unit has push-button control for all functions. Fast forward and rewind, 2 min. for 1200 ft. Nominal 4 watt peak power from each channel, sufficient to drive dual speakers or over 100 high impedance headphones from each channel. Neon recording level indicator for each channel. Four input connections, two for each channel: radio-phonos and high-impedance mike. Same outputs as above. Includes headphones and microphone. Weight, 30 lb.
ELECTRONIC TEACHING LABORATORIES 1818 M Street Northwest, Washington 6, D. C.	 Electro-Dual MONITOR Binaural Portable Model E-3 \$297.00	50-9,000 cycles (±3 db) at 3 3/4"/sec.	Dual parallel track professional language laboratory recorder. Unique "split" amplifier used to minimize controls and simplify operation but preserving the two independent record/play channels. Signal-to-noise, 45 db, separate heads with azimuth adjustment, volume level meter, all components mounted 3/8" aluminum panel. Weight, 15 lb.
EMC RECORDINGS CORP. 806 E. 7th St., St. Paul 6, Minn.	 EMC "Communicator" Portable Playback Unit \$129.95 (tentative)	60-12,000 cycles at 7 1/2"/sec. 80-6,000 cycles at 3 3/4"/sec. (Based on NARTB Curve)	Portable, self-contained playback unit with single-lever tape control. Wow and flutter, 0.25% at 7 1/2"/sec. Signal-to-noise, at least 47 db for 7 1/2"/sec., 42 db for 3 3/4"/sec. Positive braking minimizes possibility of spilling tape. Capstan is ground to ± .0001" tolerance. Dual track Maico Dynamu 8040 "Ultralinear" head (gap width less than .00015"). Three-stage pre-amplifier plus cathode follower and power output stage. Amplifier output: from cathode follower up to 10 volts at 1500 ohms; from enclosed speaker — 3.0 watts at less than 4% harmonic distortion. Amplifier connections: external speaker jack, cathode follower output, power cord receptacle. 5" round Alnico V speaker. Accommodates 7" reel. Weight: 20 pounds.

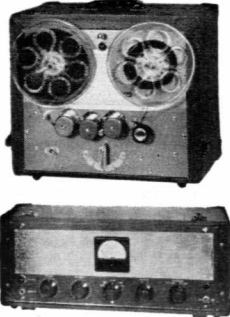
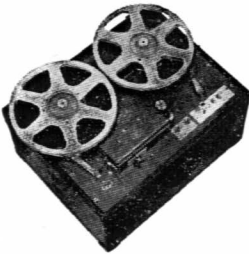
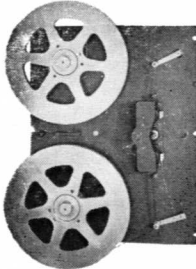


Manufacturer	Model and Price	Frequency Response	Data
TELECTRO-SONIC CORPORATION 35-18 37th St., Long Island City 1, N. Y.	 Telectro-tape Custom 220 \$99.50 (without case)	50-12,000 cycles (±3 db) at 7 1/2"/sec.	Basic dual speed recorder (7 1/2" and 3 3/4"/sec.) unit with recording amplifier, playback pre-amp and erase oscillator for custom, table or portable mounting. Signal-to-noise, 45 db. Distortion, less than 2%. Flutter and wow, less than 0.3% RMS. Max. reel size, 7". Electronic eye recording level indicator. Inputs for microphone and radio-phonos. Also available: Custom 220P monaural tape player (\$49.50) and Custom 220BMP binaural and monaural tape player. (\$61.50). Tape player prices cover mechanism only.
	 Telectro-tape Professional 1000 Two-Unit Portable (Price on request)	30-15,000 cycles (±2 db) at 15"/sec. 30-15,000 cycles (±4 db) at 7 1/2"/sec. 30-10,000 cycles (±2 db) at 7 1/2"/sec.	Professional type two-unit, dual-track portable with 15" and 7 1/2" tape speeds. Signal-to-noise, over 55 db at both speeds. Distortion, less than 2% RMS. Flutter and wow, less than 0.2% at 15"/sec. Starting time, less than 0.1 second. Stopping distance, less than 2" at 15"/sec. Playback timing accuracy, better than 0.2%. Max. reel size, 10 1/2". Pushbutton controls, A-B monitor switch, input selector switch, VU meter switch for playback level, record level, bias and erase current. Output, 600 ohms balanced. Remote control available.
	 Multi-Channel Data Recorder Model TR-150-5 (Price on request)	200-20,000 cycles (±3 db) at 15"/sec. 200-40,000 cycles (±3 db) at 30"/sec. 100-80,000 cycles (±3 db) at 60"/sec.	Multi-channel data recorder/reproducer, available in models using up to 14 channels. Consists of 5 separate units for 19" rack mounting. Record, erase and reproduce heads in one plug-in assembly for one and two channel units. Multi-channel units do not have erase heads. Signal-to-noise, 55 db below tape saturation level. Flutter and wow, under 0.1% rms. Three speed hysteresis synchronous motor drive. Rewind time, 1 min. for 2400 ft. Push-button controls for all functions. Monitors from tape while recording. Harmonic distortion, 1% rms at normal level. Input, 100,000 ohms unbalanced. Output, 600 ohms unbalanced. Height, in rack, 52". Weight, 320 lb.
VIKING OF MINNEAPOLIS 6900 Aldrich Ave. So., Minneapolis 20, Minn. Sales Office: 2207 Lyndale Ave. So., Minneapolis 5, Minn.	 Viking 75 Series Tape Decks FF75 Monaural Playback \$59.95 FF75R Monaural Record/Playback 67.45 FF75RM Mon. Rec.-Monitor-Playback 76.66 FF75B 2-Channel, Half-Track Heads, Staggered 69.95 FF75SU Universal Stereo Playback (in-line and staggered heads) 97.65 FF75SR Stereo (in-line head) plus Monaural Erase-Record 107.50	40-14,000 cycles (±2 db) at 7 1/2"/sec.	Tape Playback and Record-Playback units for custom installation in hi-fi systems. Tape speed, 7 1/2"/sec., with belt change for 3 3/4"/sec. Signal-to-noise, 45 db or more. Flutter, 0.2% or less. Maximum reel size, 7". Total harmonic distortion, less than 1.0% with NARTB compensated preamplifier and NARTB recorded tape. Also available with tapelifter and pressure pad. Weight, basic unit, 9 lb. Viking PB60 playback preamplifier—\$24.50. Viking RP61 record-playback preamplifier—\$74.50. Matched Viking RP61-S Stereophonic "Slave Record/Playback Preamplifier—\$74.50. Viking "PRO": Consists of FF75R-LP Deck (Monaural Record/Playback) and RP61 Record/Playback Preamplifier installed in D396 Portable Carrying Case. Total weight 23 lb.—\$174.50. D390 Portable Carrying Case for any FF75 Series Deck and one or two PB60's. Weight of case and FF75 deck 18 lb. Case only \$19.95.
V-M CORPORATION Benton Harbor, Michigan	 "tape-o-matic" Portable Model 710 \$189.95  "tape-o-matic" Stereo/Playback Portable Model 711 \$209.95	40-15,000 cycles (±5 db) at 7 1/2"/sec.	Records and plays back monaurally. Convertible to stereophonic playback. Two speeds, dual tracks, two speakers. External amplifier jack, two-way external speaker jack. Power output, 5 watts. 75 KC record bias and power erase. Better than 45 db signal-to-noise ratio. Less than 0.4% RMS flutter and wow. Push-button controls, precision tape index counter, "recording normal" light, "distort" light, automatic shutoff, balanced tone control, monitor switch, pause button, safety switch, 3-way input receptacle and storage compartment. Portable, two-speed, dual-track recorder equipped to team with any other amplifier-speaker for stereophonic playback. Power output, 5 watts. Less than 0.4% RMS flutter and wow. 75 KC record bias and power erase, better than 45 db signal-to-noise ratio. Two speakers... 6" x 9" woofer and 3.5" tweeter. Other features same as for Model 710 above.

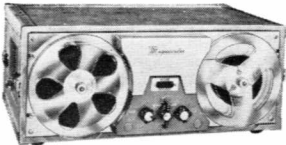
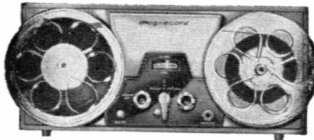
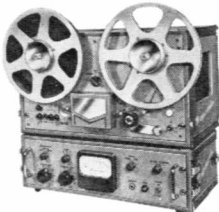

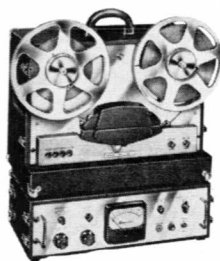

Manufacturer	Model and Price	Frequency Response	Data
REVERE CAMERA COMPANY 230 East 21st St. Chicago 16, Ill.	 Model T-11 \$284.50	40-16,000 cycles (±3 db) at 7 1/2"/sec.	High fidelity 10 1/2" reel tape recorder for professional use and custom installations. Guaranteed specifications, signal-to-noise, over 50 db, wow and flutter less than 0.2%. Features: One volt cathode follower pre-amplifier output. Monitor amplifier with 2 1/2 watt output. Adjustable 70Kc bias-erase oscillator with indicator. Less than 1/2 second start and stop. Automatic head demagnetizing. Precision revolution tape counter. Electrical remote with automatic drive roller release.
SOUND-SCRIBER CORPORATION 146 Munson St., New Haven 9, Conn.	 SoundScriber 24-hour (2 1/2"/min.) recorder/reproducer Model S-124 \$650 SoundScriber 12-hour (3 3/4"/min.) recorder/reproducer Model F-112 \$650	ample for voice communication	All-purpose, single channel voice and signal recorders capable of recording continuously for up to 24 hours and 12 hours respectively. Electronic recording level indicator. Signal being recorded may be monitored through external headset. Use special, quick-change reels of 2" wide tape on 1 1/2-mil "Mylar" base, printed with time in minutes, indicating elapsed recording time or exact time of recorded signal. Tape can be bulk erased for immediate re-use. Inputs for telephone, line, microphone. Outputs: speaker/headset. Dimensions: 17" x 11 1/2" x 5 3/4". Weight, approx. 25 lb.
THE STANCIL-HOFFMAN CORP. 921 North Highland Ave., Hollywood 38, Cal.	 Model R-5 \$1,575.00	50-15,000 cycles (±1 db) at 15"/sec.	Portable, professional-type, single-track recorder with tape speeds of 7 1/2 and 15" (or 3 3/4 and 7 1/2") per sec. Signal-to-noise ratio, over 60 db. Separate record and playback heads and amplifiers with independent monitor amplifier and speaker.
	 Model S6 Synchronous Magnetic Film Recorder \$1,500.00	45-10,000 cycles (±2 db) 16mm and 17.5mm film	Synchronous magnetic film equipment for motion picture and TV sound recording. Designed for 24 volt battery operation, 110 volt single phase or 220 volt 3 phase. The equipment is very lightweight and housed in small lightweight cases for easy portability. Signal-to-noise: at least 55 db. Maximum harmonic distortion: 1.5% from full level. Film capacity: 1000 feet.
	 Model CRM-15 Multi-Channel Communications Recorder (Prices on Request)	200-7,500 cycles (±3 db) at 7 1/2"/sec. 200-3,500 cycles (±3 db) at 3 3/4"/sec.	Provides up to 15 simultaneous recording channels on 0.7" wide tape. Recording time, up to 4 1/2 hours for 5,000 foot reel. Two units, with automatic sequence control permit continuous, 24-hour recording. Signal-to-noise, at least 40 db. Distortion, not more than 5% total harmonic at "0" input level. Negligible crosstalk between channels. Push-button control. Fast forward and rewind. Automatic stop.
TANDBERG 10 East 52nd St., New York 22, N. Y.	 Tandberg Model 2 (two speed) \$249.50 Model 2F (remote controlled) \$279.50 Model 3 Hi-Fi (three speed) \$349.50	50-4,000 cycles (±2 db) at 1 7/8"/sec. 40-7,500 cycles (±2 db) at 3 3/4"/sec. 30-15,000 cycles (±2 db) at 7 1/2"/sec.	Portable, dual-track recorder and playback unit with extra-heavy flywheel and wow-proof belt drive. Flutter and wow: below 0.1% at 7 1/2"/sec., 0.2% at 3 3/4"/sec. and 0.25% at 1 7/8"/sec. Signal-to-noise: 60 db at 7 1/2"/sec., 50 db at 3 3/4" and 1 7/8"/sec. Playback output, 2 1/2 watts, low level and high level. Electronic eye recording level indicator. 5" by 7" speaker. Three-speed unit has built-in program counter dial. Weight, 22 lb. — with transport case, 27 lb.
TELECTRO-SONIC CORPORATION 35-18 37th St., Long Island City 1, N. Y.	 Telectro- tape Portable Model 556 \$79.95	flat to about 6500 cycles at 3 3/4"/sec.	Light-weight, dual-track recorder with 3 3/4" tape speed. Handles up to 5" reels, providing up to 1 hour recording time. Wow and flutter, approximately 0.5%. High impedance microphone input may also be used for radio input. Extremely simple threading and operation. Neon bulb recording level indicator. Weight, 16 lb. Includes crystal microphone with stand. Built-in speaker.

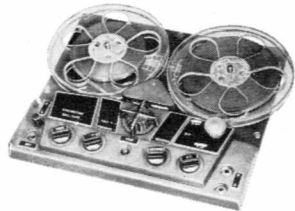
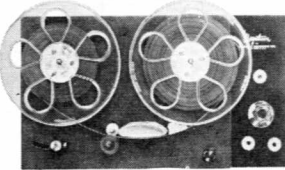
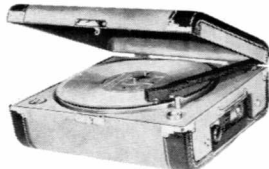

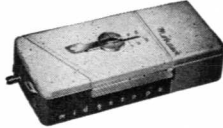

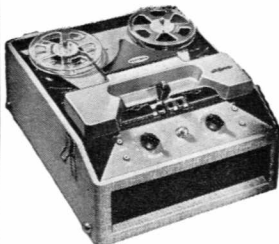
Manufacturer	Model and Price	Frequency Response	Data
EMC RECORDINGS CORP. 806 E. 7th St., St. Paul 6, Minn.	(Appearance similar to "Communicator" on Page 6) EMC Stereophonic Portable Playback Unit \$199.95 (tentative)	40-15,000 cycles (±3 db) at 7 1/2"/sec.	This stereophonic playback unit reproduces half track, full track, stereo colinear (in-line) and stereo staggered tapes. Wow and flutter: less than 0.25%. Signal to noise ratio at least 55 db when measured according to NARTB specs. One Maico Dynamu 8040 "Ultralinear" upper track head. One Maico Dynamu Stereo colinear (in-line) head. (Gaps are less than .00015"). Two three-stage pre-amplifiers plus cathode follower output. One power amplifier. One 5" round 3.05 oz. special low-frequency, low resonance speaker. One 4" round "tweeter" with 1200 cps crossover network. Accommodates 7" reels.
ERCONA CORP. 551 Fifth Ave., New York 17, N. Y.	 Ferrograph Hi-Fi Recorder Portable Model 3A/N (3 3/4-7 1/2 ips) \$379.50 Custom Installation Model 66/N (3 3/4-7 1/2 ips) \$399.50 Tape Deck Model 3A/NH (7 1/2-15 ips) \$425.00 Model 66/H (7 1/2-15 ips) \$425.00 "A" (2 heads) \$195.00 "B" (3 heads) \$225.00 "C" (4 heads) \$250.00	50-10,000 cycles (±2 db) at 7 1/2"/sec. 40-15,000 cycles (±2 db) at 15"/sec.	Dual-speed, dual-track recorders for portable or custom installation, manufactured by British Ferrograph Recorder Co., Ltd. of London. Signal to noise ratio, better than 50 db, 200-12,000 cps; 45 db unweighted (including hum). Wow and flutter, less than 0.2% at 7 1/2"/sec. Longterm speed stability, better than 0.5%. Erase and bias frequency, 53,000 cps. Two inputs, for 1 megohm and 0.1 megohm respectively. Output arrangements: 15 ohm elliptical speaker; jacks for extension speakers — 0.75 volts at 0.1 megohm for external amplifier. Output power, 2 1/2 watts into 15 ohms. Weights: Portable, 49 3/4 lb; Custom, 45 lb; Tape Deck, 18 lb.
	 E.M.I. Battery Portable \$395.00 Model L2A (3 3/4 ips) Model L2B (7 1/2 ips) Model L2C (15 ips)	50-7,000 cycles (±2 db) at 15"/sec. 50-5,000 cycles (±2 db) at 7 1/2"/sec. 50-2,500 cycles (±2 db) at 3 3/4"/sec.	Battery-operated recorder manufactured by Electrical & Musical Industries, Ltd., of England. Accommodates 5" reels and requires no external power source. Signal-to-noise, better than 45 db unweighted, when replayed on high quality studio equipment. Wow, less than 0.2% at 15"/sec., 0.25% at 7 1/2"/sec. and 0.3% at 3 3/4"/sec. Separate recording and playback heads and amplifiers for monitoring and instantaneous playback. VU meter for recording level. Manually operated geared rewind device to conserve battery life. Operates with cover closed. Weight, 14 1/2 lb. complete.
	 Console Model Unit 126 \$2,750.00	50-15,000 cycles (±1 db) at 15"/sec.	Professional type, single-track recorder with 15" tape speed (7 1/2" and 30" models available). Total noise and distortion -64 db (ref. 2 1/2% dist.). Adjustable bias. Speed tolerance, 0.1%. Built-in VU meter and circuit checking. Unit-type, plug-in chassis. Automatic stop — instant braking and reversal. Full protection against accidental erase.
FAIRCHILD RECORDING EQUIPMENT CORP. 154th St. and 7th Ave. Whitestone 57, N. Y.	 Console Model "PIC-SYNC" \$4,000.00	50-15,000 cycles (±1 db) at 15"/sec.	Same as model 126 with the addition of lip synchronous operation. Used with motion picture camera and film projector, synchronous sound tracks are made and played back on 1/4" tape, with no interconnecting equipment. Automatic Framing, which assures correct cueing of tape and film, available at additional cost. Other applications include Facsimile recording, multi-track, and telemetering, with frequency response to 100 KC.
FEDERAL MANUFACTURING AND ENGINEERING CORP. 199-217 Steuben St. Brooklyn 5, N. Y.	Control Track Generator Model 41 \$125.00		Portable light weight unit for "On Location" picture synchronous sound track recording on 1/4" tape. Used with any portable tape recorder with 15"/sec. tape speed and frequency response good to 14 KC, a control track is simultaneously applied which later becomes the tape speed control when played back on Pic-Sync recorder.
	 FME Model 47 \$159.50	50-12,000 cycles at 7 1/2"/sec. 50-7,000 cycles at 3 3/4"/sec.	Portable, two-speed, dual track recorder. Signal-to-noise, 43 db. Flutter, less than 0.5%. Fast forward and rewind, 20-to-1 ratio. Safety lock prevents accidental erase. Instant stop lever for editing. Neon recording level indicator. Power output, 3 watts. 5 x 7 elliptical P.M. speaker. Automatic reversible index counter. Input jack for microphone or radio-phono. Output jack for monitoring while recording or external hi-fi amplifier. Includes ceramic mike and patch cord with built-in resistance network to match recorder. Weight, 27 lb.
	 Fen-Tone Motek Tape Deck Model K7 \$79.50	50-12,000 cycles at 7 1/2"/sec. 50-7,000 cycles at 3 3/4"/sec.	Three-motor-drive dual-track tape transport mechanism for custom installation. Speed change by conversion pulley. Wow and flutter, less than 0.25%. Adjustment for head azimuth. Positive interlock of all switching and braking mechanisms. Simple push-button control for record, playback, fast forward, rewind and stop. Matched preamplifiers also available. PRO-2, \$89.50. TPR-1 \$39.90.
FENTON CO. 15 Moore St., New York 4, N. Y.			

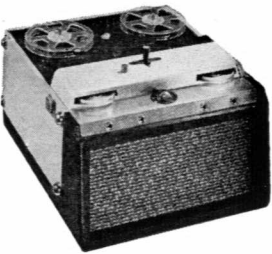
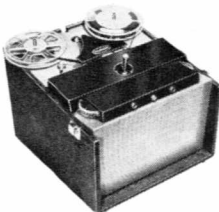
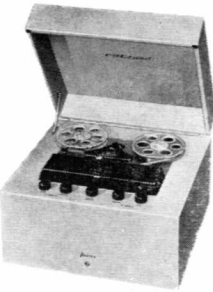


Manufacturer	Model and Price	Frequency Response	Data									
FENTON CO. 15 Moore St., New York 4, N. Y.	 Fen-Tone Brenell Mark IV Tape Deck Mark IV (monaural) \$96.50 Mark IV/B (stereo) \$114.50	30-15,000 cycles (±3 db) at 15"/sec. 50-12,000 cycles (±3 db) at 7 1/2"/sec. 50-6,500 cycles (±3 db) at 3 3/4"/sec.	Three-speed tape decks for monaural and stereophonic record/playback, with three-motor drive. All mount up to four heads with individual azimuth adjustment. Capstan-sleeve speed change. Dual 1/2 track operation for up to 7" reels. Two-knob control, fully interlocked. Wow and flutter, less than 0.2%. Fast forward and rewind, 45 sec. for 1200 ft. Monaural deck can be converted to stereo or sound-on-sound recording by installing additional heads. Can be used with PRO-2 amplifier.									
INTERNATIONAL RADIO AND ELECTRONICS CORPORATION South 17th St. & Mishawaka Rd. Elkhart, Ind.	 "CROWN" Professional Series <table><tr><td>BROADCASTER</td><td>IMPERIAL</td><td>IMPERIAL LP</td></tr><tr><td>Reel Sizes to 7"</td><td>Reel Sizes to 10 1/2"</td><td>Reel Sizes to 14"</td></tr><tr><td>\$435.00</td><td>\$449.00</td><td>\$478.00</td></tr></table>	BROADCASTER	IMPERIAL	IMPERIAL LP	Reel Sizes to 7"	Reel Sizes to 10 1/2"	Reel Sizes to 14"	\$435.00	\$449.00	\$478.00	20-20,000 cycles (±2 db) at 15"/sec. 20-15,000 cycles (±2 db) at 7 1/2"/sec. 40-8,000 cycles (±3 db) at 3 3/4"/sec. (above data for dual-track operation)	Portable, 3-motor, 3-speed record/playback units available with choice of full or half-track heads (interchangeable, plug-in type). Signal-to-noise; 55 db, 52 db and 44 db at 15", 7 1/2" and 3 3/4" tape speeds respectively. Flutter and wow; 0.10%, 0.15% and 0.25% respectively. Fast forward and rewind, less than 35 sec. for 1200 ft. Dual-light VU meter for recording level — white light for illumination, red light indicates record and erase. Micro-Sync-Timing, 99.5% playing measured tape. Inputs: two mikes plus radio-phono; two high-level mix, both high impedance. Built-in amplifier with 30-watt peak output, 15 watt peak at less than 1% distortion. Speed reducer (available for all Crown models) gives an additional tape speed of 1 7/8"/sec.
BROADCASTER	IMPERIAL	IMPERIAL LP										
Reel Sizes to 7"	Reel Sizes to 10 1/2"	Reel Sizes to 14"										
\$435.00	\$449.00	\$478.00										
	 "CROWN PRINCE" Professional Series (Rack mounting) <table><tr><td>Dual Track (10 1/2" reels)</td><td>\$349.50</td></tr><tr><td>Full Track (10 1/2" reels)</td><td>\$399.50</td></tr><tr><td>Dual Track LP (14" reels)</td><td>\$375.00</td></tr><tr><td>Full Track LP (14" reels)</td><td>\$425.00</td></tr></table>	Dual Track (10 1/2" reels)	\$349.50	Full Track (10 1/2" reels)	\$399.50	Dual Track LP (14" reels)	\$375.00	Full Track LP (14" reels)	\$425.00	20-18,000 cycles (±2 db) at 15"/sec. 20-15,000 cycles (±2 db) at 7 1/2"/sec. 40-8,000 cycles (±3 db) at 3 3/4"/sec. (dual-track)	Rack-panel mtd. 3-speed record/playback unit with 3-motor drive. Includes mike and phono preamplifiers. Cathode follower output for playback through separate amplifier systems. Flutter and wow; 0.12%, 0.18% and 0.25% at 15", 7 1/2" and 3 3/4" speeds respectively. Features otherwise same as "Crown" series. Panel size; 19" by 14" for 10 1/2" reel models, 19" by 21" for 14" reel models.	
Dual Track (10 1/2" reels)	\$349.50											
Full Track (10 1/2" reels)	\$399.50											
Dual Track LP (14" reels)	\$375.00											
Full Track LP (14" reels)	\$425.00											
INTERNATIONAL SCIENTIFIC INDUSTRIES CORP. 2374 E. Hiway 24, Colorado Springs, Colo.	 I.S.I. Tape Recorder for rack or portable mounting \$465.00	30-15,000 cycles (±2 db) at 7 1/2" and 15"/sec. 30-8,000 cycles (±2 db) at 3 3/4"/sec.	Portable, two-speed, dual-track recorder with Isimetric Drive and automatic servo control. Single-knob control for play, record, skip and rewind. Includes play and record electronics with cathode follower output, mike and line inputs with mixing controls, electronic-eye level indicator, and 3 heads with provision for adding 3 more. Two-speed hysteresis synchronous capstan motor, automatic cut-off and tape lifter. Playback noise, 55 db or more below peak output on virgin tape. Overall noise, 50 db or more below peak output. Distortion not over 1% at normal level. Playback, std. NARTB curve. Skip & rewind, less than 60 sec. for 1200 ft. Weight, under 40 lb. in portable case.									
JAMES INSTRUMENT LABORATORY 9110 South 52nd Court, Oak Lawn, Ill.	 Audikon Model V-12 For rack or console mtg. \$460.00 Carrying Cases \$60.00	40-15,000 cycles (±3 db) at 15"/sec. 40-12,000 cycles (±3 db) at 7 1/2"/sec.	Two-speed, dual track recorder with 10 1/2" reel capacity and 3-motor drive. Hysteresis synchronous direct-drive capstan. Push-button, interlocked relay control. Three heads, monitors from tape while recording. Provision for 1 extra head. Fast forward and rewind, 40 sec. for 1200 ft. Timing accuracy, ± 3 sec. in 30 min. Signal-to-noise, 52 db. Flutter and wow: below 0.25% at 7 1/2"/sec., below 0.15% at 15"/sec. Inputs: mixing of mike and hi-level inputs, 50 ohm balanced and 500,000 ohm unbalanced. Cathode follower output for external amplifier. 8 watts at 10 ohms to drive speaker or phones. Weight: mechanism 36 lb., amplifier 10 lb.									
KEYSTONE CAMERA COMPANY, INC. Hallet Square, Boston 24, Mass.	 Keystone Load-O-Matic Tape Recorder Model K-400 \$199.50	40-15,000 cycles (±3 db) at 7 1/2"/sec.	Portable two-speed dual-track recorder with automatic tape-cartridge "magazine loading" that eliminates threading. Also accommodates standard 7" reels. Flutter and wow, less than 0.5% at 7 1/2"/sec. Electronic eye recording level indicator. Pause control for recording or editing. Drum-type index counter. Power output, 8 watts. Three speakers — one 6 x 9 "woofer" and two 4" "tweeters". Separate PA input and separate output for external speaker, PA system or monitoring signal while recording. Includes pencil-type ceramic microphone, radio patch cord and phono input.									

Manufacturer	Model and Price	Frequency Response	Data
RADIO CORPORATION OF AMERICA RCA Victor Division Camden 2, N. J.	 Orthophonic Intermatched High-Fidelity Recorder - Reproducer Chassis Type SRT-2 \$490.00	Playback from standard tape, 30-15,000 cycles (±3 db) 40-12,000 cycles (±2 db) Record and playback 40-12,000 cycles (±3 db)	Semi-professional type recorder/reproducer chassis with direct synchronous motor tape drive. Recording speeds of 7 1/2" and 3 3/4"/sec., by selector switch. Electro dynamic tape tension and braking. Signal-to-noise, better than 50 db with less than 3% distortion. Flutter and wow, less than 0.2%. Fast forward and rewind, 45 sec. for 1200 ft., with automatic tape lift. VU meter for recording level indication. Transistor record and playback amplifier with printed wiring. High impedance bridging input and low impedance microphone input. Outputs, 0.6 v into 10,000 ohms or more and high impedance monitoring jack. Can be mounted horizontally or vertically. Dimensions: 10 1/2" x 19" x 8 1/2". Weight, 35 lbs.
RANGERTONE INC. 73 Winthrop St., Newark 4, N. J.	 "Rangerette" Portable Model A-2 \$1,500.00 complete	45-15,000 cycles (±2 db) at 15"/sec. 50-8,000 cycles (±2 db) at 7 1/2"/sec.	FOR SYNCHRONOUS SOUND RECORDING Professional-type, single-track, dual-speed recorders, with choice of 3 3/4", 7 1/2", 15" or 30" per second tape speeds. Up to 2 hours recording at 7 1/2" per sec. on 14" reel. Distortion, less than 2% total harmonic. Maximum signal-to-tape noise, 55 db. Double-puck, tight-loop tape drive. Peak-to-peak flutter, less than 0.1% at 15"/sec. Rewind speed controllable continuously from 0 to 250"/sec. in both forward and rewind. Meets all N.A.B. adopted standards. Complete monitoring and mixing facilities. VU meter, signal indicator and footage counter calibrated in minutes and seconds. Complete tape editing facilities. Also available with positive "sprocketless" synchronization for motion picture and TV applications. Weight of Rangerette — 30 lb. Kits added to other professional recorders for Synchronous Sound Recording for \$295.00.
	 Console Model R-5C with synchronizer (Price on Request)	45-15,000 cycles (±2 db) at 15"/sec. 50-8,000 cycles (±2 db) at 7 1/2"/sec.	
	 Model T-700D \$225.00 Model TR-800D (with radio) \$275.00 Model T-700 \$235.00 Model TR-800 (with radio) \$287.50 Model T-10 \$245.00 Model TR-20 (with radio) \$297.50	40-14,500 cycles (±3 db) at 7 1/2"/sec. 40-7,500 cycles (±3 db) at 3 3/4"/sec. 80-8,000 cycles (±3 db) at 3 3/4"/sec. 60-15,000 cycles (±3 db) at 7 1/2"/sec.	
	Model T-700 B&M \$245.00 Model TR-800 B&M (with radio) \$297.50 Model T-10 B&M \$255.00 Model TR-20 B&M (with radio) \$307.50	as above	
REVERE CAMERA COMPANY 230 East 21st St., Chicago 16, Ill.	 Model T-1100 \$169.50 Model TR-1200 (with radio) \$219.50 Model T-900 \$199.50 Model TR-1000 (with radio) \$224.50	85-7,000 cycles (±3 db) at 3 3/4"/sec. 75-12,000 cycles (±3 db) at 7 1/2"/sec. 85-7,500 cycles (±3 db) at 3 3/4"/sec.	Portable dual track recorder available in either single (3 3/4 ips.) or dual (3 3/4 · 7 1/2 ips.) speed. Signal-to-noise ratio over 48 db on either machine. Distortion less than 1% at normal levels. Rewind and fast forward, 170 ips. Flutter less than 0.3%. Single knob control automatically returns to stop when power is turned off. Dual level indicator. Revolution index counter. Instant stop button. Two-speed knob can be changed while in any function. Rugged fiberglass case. Two speakers. Can be operated as a PA. Weight, 28 lb.
	 Model T-100 \$169.50 Model TR-200 (with radio) \$224.50 Model T-500 \$179.50 Model TR-600 (with radio) \$234.50	85-7,500 cycles (±3 db) at 3 3/4"/sec. 100-5,000 cycles (±3 db) at 1 7/8"/sec.	Portable, dual-track recorder available in either 1 7/8 or 3 3/4 ips. tape speed. Signal-to-noise ratio, over 45 db at either speed. Distortion, less than 1.5%. Rewind and rapid forward, single knob control, flutter less than 0.3%. Two level recording indicator. 5" x 7" Alnico V speaker. Weight, 25 lb.

Manufacturer	Model and Price	Frequency Response	Data
PRESTO RECORDING CORPORATION P. O. Box 500, Paramus, New Jersey	 <p>Model SR-27 Complete with A-920 amplifier \$485.00</p> <p>Model A-920 Amplifier \$324.00</p>	50-15,000 cycles at 15"/sec. 50-10,000 cycles at 7 1/2"/sec.	Professional type two-speed equipment for portable or stationary use. Tape transport mechanism has true three-motor drive and separate erase, record and reproducing heads. A-920 amplifier consists of microphone preamp, reproduce preamp, power amplifier and power supply. Includes twin speakers for playback. Monitors from input or tape while recording. Input for microphone or high impedance bridging. Output; 10 watts at 15 ohms, line level at 500 ohms. Monitor output for headphones. Max. reel size, 8".
	 <p>Model R-11 Recording Mechanism (in carrying case) \$827.00</p> <p>Chassis Only \$775.00</p> <p>Model SR-11 Recording Console \$1,250.00</p>	50-15,000 cycles at 15"/sec. 50-10,000 cycles at 7 1/2"/sec. 50-8,000 cycles at 3 3/4"/sec.	Professional type portable tape mechanism with three-head assembly: erase — record — reproduce. Brakes and capstan pressure pulley solenoid operated. Dual-speed motor heavy-duty capstan drive unit, with tape reels mounted directly on individual torque motors. Flutter 0.15% at 15"/sec. Signal-to-noise, 55 db. Simplified threading, easy access to heads. Professional console-type unit, consists of R-11 mechanism and 901-A amplifier. 900-A amplifier may be substituted if desired. Tape transport panel and amplifier panel are hinged — every component readily accessible.
	 <p>Model PB-17A Tape Reproducing Mechanism \$700.00</p> <p>Model A-904 Amplifier \$146.00</p>	50-8,000 cycles at 3 3/4"/sec.	Dual-track reproducing mechanism with 3 3/4" tape speed and automatic reversal, giving up to 8 hours of continuous music on a 4800-ft. reel. At end of this time, mechanism may be made to recycle or stop. Heavy duty capstan drive unit with individual torque motors for each reel. Signal-to-noise, 55 db. Flutter 0.35% at 3 3/4" speed.
	Continuous Tape Reproducing Console \$996.00		Long-playing tape reproducing unit consisting of PB-17A tape transport mechanism and A-904 Amplifier in console cabinet with dust-protective plastic top. Dynamic range, 45 db. Also available with PB-15A mechanism, which is similar to PB-17A except with 10 1/2" reel capacity only.
	 <p>The Congressional Model 7TR2 \$159.95</p> <p>The Judicial Model 7TR3 \$199.95</p>	90-8,000 cycles at 7 1/2"/sec. 70-12,000 cycles at 7 1/2"/sec.	Portable, two-speed, dual-track recorders with push-button control. Normal and overload neon recording level indicators. Ceramic microphone with 7-ft. cable fits into storage well. Take up to 7" reels. Rewind time, 2 min. for 1200 ft. Inputs for microphone and radio-phono. Model 7TR2 has 5" x 7" speaker. Model 7TR3 has Panoramic Speaker System—one 6 1/2" and two 3 1/2" speakers. Also window counter, voice-music switch, remote control unit and provision for plugging in external speaker.
RADIO CORPORATION OF AMERICA RCA Victor Division Camden 2, N. J.	The Legislator Model 7TRC1 \$279.95	60-12,000 cycles at 7 1/2"/sec.	Consists of Model 7TR3 recorder chassis mounted in console type wooden cabinet with Panoramic Speaker System—one 8" speaker and two 3 1/2" speakers.
	 <p>"Victrola" Stereotape Players</p> <p>Portable Model 85TP1 \$295.95</p> <p>Console Model 85TP2 \$350.00</p>	70 to 12,000 cycles at 7 1/2"/sec.	Stereophonic tape playback units in portable and console models. Plays both single-track and dual-track tapes. Two matched cases—one with tape mechanism and left channel speaker system, the other with right channel speaker system. Tape player has in-line (stacked heads), and push-button controls for fast forward, rewind, stop and two play buttons—one for stereo and one for conventional tapes. Two-channel amplifier provides 2 1/2 watt output for each channel. Each Panoramic Speaker System consists of one 6 1/2" speaker and two 3 1/2" speakers. Console model available in mahogany or light oak finish.

Manufacturer	Model and Price	Frequency Response	Data
MAGNECORD INC. 1101 S. Kilbourn Ave. Chicago 24, Ill.	 <p>PT6-S5A Recorder with Case \$365.00 Without Case \$340</p> <p>PT6-S5J Amplifier with Case \$260.00 Without Case \$240</p>	50-15,000 cycles (±2 db) at 15"/sec. 50-7,500 cycles (±2 db) at 7 1/2"/sec.	Portable, two-speed, single-track recorder with speed-change switch and hysteresis synchronous drive motor. Signal-to-noise, 50 db unweighted. Flutter; 0.3% at 15"/sec., 0.4% at 7 1/2"/sec. Rewind time, 40 sec. for 1200 ft. with automatic tape lift. Erase and record/playback heads. VU meter for bias, record and playback level. Monitoring by 5" speaker and phone jack from tape or input. 10 watt power amplifier. Microphone and unbalanced bridging inputs. 4 and 16 ohm power outputs, 600 ohm line output.
	 <p>Magnecord S36-B Recorder and Preamp. with Case \$395 Without Case 370</p>	50-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	Single unit recorder and preamplifier for rack or portable mounting. Two-speed, single-track, with capstan speed change and hysteresis synchronous motor drive. Signal-to-noise, 50 db unweighted. Flutter, 0.3%. Rewind time, 40 sec. for 1200 ft. Erase and record/playback heads. VU meter for record and playback level. Phone jack for monitoring. Microphone and unbalanced bridging inputs. 600 ohm balanced or unbalanced line output.
	 <p>Magnecord P60 Recorder/Amp. with case \$765 without case 680</p> <p>Tape Transport with case \$465 without case 415</p>	40-15,000 cycles (±2 db) at 15"/sec. 40-12,000 cycles (±2 db) at 7 1/2"/sec.	Rack-mounted or portable full-track recorder with 10 1/2" reel capacity. Direct drive hysteresis synchronous motor. Push-button controls, instantaneous start and stop, fail-safe brakes and tape break control. Signal-to-noise, 55 db unweighted. Flutter; 0.2% at 15"/sec., 0.25% at 7 1/2"/sec. Rewind time, 100 sec. for 2400 ft. Timing accuracy, ±3 sec. in 30 min. Separate erase, record and playback heads. VU meter for bias, record and playback level. Adjustable bias and high-speed cueing control. Microphone and unbalanced bridging inputs. Phone jack for monitoring from tape or input. 600 ohm unbalanced line output.
	 <p>Magnecord P63 Recorder/Amp. with case \$839 without case 764</p> <p>Tape Transport with case \$465 without case 415</p>	50-15,000 cycles (±2 db) at 15"/sec. 50-10,000 cycles (±2 db) at 7 1/2"/sec.	Tape transport mechanism similar to above, but designed for use with P63-J amplifier instead of P60-C, permitting conversion of existing equipment to new, improved performance standards. Signal-to-noise, 50 db unweighted. Microphone input, 50 to 250 ohms balanced or unbalanced. Unbalanced bridge input. Monitoring by 5" speaker and phone jack from tape or input. Amplifier, 600 ohm balanced line output, 4 or 16 ohm, 10 watt speaker output.
	 <p>Magnecord M90 Tape Transport with case \$995 without case 935</p> <p>Amplifier with case \$390 without case 360</p> <p>Recorder/Amp. with case \$1375 without case 1285</p> <p>Recorder/Amp. and Console Cabinet, \$1450</p>	30-15,000 cycles (±2 db) at 15"/sec. 30-15,000 cycles (±4 db) at 7 1/2"/sec.	Portable, professional-type two speed recorder/amplifier units, also available in console cabinet mounting. Electrically interlocked push-button controls. Direct-drive hysteresis synchronous motor. Separate erase, record and playback heads—interchangeable assemblies for full track, half-track or instrumentation. Instantaneous start and stop, automatic tape lift. Separate record and playback amplifiers for simultaneous monitoring from tape. High speed cueing control. Signal-to-noise, 58 db unweighted. Flutter; 0.1% at 15"/sec., 0.15% at 7 1/2"/sec. Rewind time, 55 sec. for 2400 ft. VU meter for bias, record and playback level. 50 or 250 ohm balanced or unbalanced microphone input, balanced or unbalanced bridge input. Line output, 600 ohms balanced or unbalanced.
MAGNETIC RECORDERS COMPANY 7120 Melrose Ave. Los Angeles 46, Cal.	 <p>Portable "Reporter"</p> <p>Standard Model \$199.50</p> <p>Deluxe Model \$237.50</p>	80-7,000 cycles	Portable, battery-operated recorder with spring motor drive. Power for amplifier furnished by dry batteries. Spring drive lasts for 7 minutes at 7 1/2"/sec. tape speed. Can also be adjusted for 3 3/4"/sec. tape speed. Can be rewound while recording. Single control — off, playback record. Complete with batteries, microphone, head phone (or speaker) and tape. Standard Model includes provision for headphone playback only. Deluxe Model includes output amplifier and loudspeaker. Weight, 12 lb. Made in England.

Manufacturer	Model and Price	Frequency Response	Data
MAGNETIC RECORDING INDUSTRIES 11 E. 16th St. New York 3, N. Y.	 Synchronetone Dual Model ML-63 \$375	to 10,000 cycles at 7 1/2"/sec.	Two independent channels, each with independent recording-playback facility; simultaneous recording on channel 1 and playback of channel 2; simultaneous playback of channel 1 and channel 2; facilities for listening optionally to channel 1 or channel 2 or to both channels; split-a-word control for instantaneous stop and start of tape without slurring. Record safety interlock. Loud-speaker or headphone listening; two speeds (3 3/4 and 7 1/2 inches per second); single operation of record, listen, fast forward, rewind and stop. Weight: 33 lb.
	 Synchro-Magneticon Dual Model ML-65 \$225 (in portable case, \$245.50)	to 7,500 cycles at 3 3/4"/sec.	Two separate channels permitting simultaneous recording on channel 1 and playback of channel 2; simultaneous playback of channel 1 and channel 2; 3 3/4" per second speed; single control operation for record, listen, fast forward, fast reverse and stop. Fully automatic operation eliminates external record-listen control. Record safety interlock. Weight: 19 lbs. in portable case.
	Synchro-Magneticon Dual Tape-Disc Recorder-Reproducer Model ML-66, \$275 (in portable case, \$295)	to 8,000 (tape) to 5,000 (disc)	Educational language recorder using standard tape and pre-grooved, reusable magnetic discs. Instant stop-start without slurring. Remote control of magnetic disc. Tape speeds 3 3/4 or 7 1/2". Weight: 22 lbs.
	 Voice-Master Magnetic Disc Recorders Voice-Master Streamliner \$195 Voice-Master Challenger 295 Voice-Master Companion 229 Voice-Master Ordertaker 155	100-5,000 cps 100-5,000 cps 100-7,000 cps 100-4,500 cps	Fully automatic magnetic disc dictating and transcribing machine, recording on pre-grooved, reusable and foldable magnetic discs. Features include semi-automatic or fully automatic controls, automatic error correction, direct disc indexing, instant stop-start, and syllable controlled back-spacing (from mike or footcontrol). No record-listen switch. Weight: 8 or 10 lbs. Semi-automatic dictating-transcribing unit Fully automatic dictating-transcribing unit Fully automatic transcribing unit Telephone recording unit
MARK SIMPSON MFG. CO. INC. 32-28 49th St., Long Island City 3, N. Y.	 "MASCO" Model 500 \$168.50	50-12,000 cycles (±3 db) at 7 1/2"/sec. 50-7,000 cycles (±3 db) at 3 3/4"/sec.	Portable two-speed, dual track recorder with single shift-knob control of all functions. Signal-to-noise, over 45 db. Wow, less than 0.3%. Power output, 5 watts. Includes standby and monitor switch, two neon recording level indicators, safety record-lock button, 5" x 7" oval speaker, ceramic microphone and patch cord. Fast forward and rewind, 90 sec. for 1200 ft. Immediate stop from any speed. Inputs for microphone and radio-phono. Outputs for external speaker and external amplifier. Weight, 23 lbs.
	 Mohawk "Midgetape" Battery Operated Portable \$249.50	200-5,000 cycles (±5 db) at 1 7/8"/sec.	Portable, dual-track recorder. Self-contained battery power supply. Battery life 45 hours. Battery life indicator light. Cartridge-loaded (1 1/2 hour to a side.) Rewind, manual. two minutes for 1/2 hour recording. 3 controls: On-Off, Play-Record, and Volume. Wow and flutter, less than 0.7%. Signal-to-noise ratio, 42 db. One microphone input, high impedance (1 mv min.). Output for earphone or external amplifier. Tape, 1/4", "Mylar" base. Supplied with microphone, earphone, batteries, and tape. Accessories available. Size: 8 1/2" x 3 7/8" x 1 7/8". Weight, 3 lb.
MOHAWK BUSINESS MACHINES CORP. Brooklyn 33, N.Y.	 Mohawk Message Repeater Record-Playback Unit \$159.50 Playback Unit \$79.50	200-5,500 cycles (±1 1/2 db) at 3 3/4"/sec.	Midget, recorder/playback unit with continuous-loop tape cartridges of from 15 to 240 seconds capacity. Repeats message continuously or intermittently by external switch control. No rewinding necessary. Neon bulb recording level indicator. Built-in 5" speaker. Output, 1.2 watts. Plug-in sockets for microphone, external start, external amplifier or speaker. Overall size, 6 1/2" x 5 3/4" x 5 1/2". Weight: 5 3/4 lb.
	 Pentron "Clipper" Model RWN \$139.95	50-9,000 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.	Portable two speed, dual-track recorder with Monomatic single slide-knob control for tape speed, record, play, fast forward and rewind. Signal-to-noise, 42 db. Flutter, under 0.5% at 7 1/2"/sec. Power output, 4 watts. Neon bulb recording level indicator. Inputs for microphone and radio-phono. Outputs for auxiliary speaker and amplifier. Microphone included. Also available with single track heads. Weight, 23 lb.

Manufacturer	Model and Price	Frequency Response	Data
THE PENTRON CORPORATION 777 South Tripp Avenue, Chicago 24, Ill.	 Pentron "Pacemaker" Model T-90 \$199.95	50-10,500 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.	Portable dual-track, two speed recorder with Unimagic single-lever control for play, record, fast forward and rewind. One knob speed change. Signal-to-noise, 50 db. Flutter, less than 0.3% at 7 1/2" per sec. Fast forward and rewind, 70 seconds for 1200 ft. Power output 5 watts. Electronic eye recording level indicator. Two Alnico V speakers, 1 woofer and 1 tweeter. Automatic index counter. Inputs for microphone and radio-phono. Outputs for external speaker or amplifier. Weight, 27 lb.
	Pentron "Emperor" Model HFW-500 \$299.95	40-12,000 cycles at 7 1/2"/sec. 40-6,000 cycles at 3 3/4"/sec.	Mechanically similar to Model T-90. Has illuminated VU meter and three-speaker sound system with two 6" woofers and separate 4" "roving" tweeter. LC crossover network at 1000 cycles. Power output, 10 watts push-pull. Weight, 33 lb.
	 Pentron "Encore" Tape Player Model TP-3 \$149.95	50-8,000 cycles at 7 1/2"/sec. 50-5,000 cycles at 3 3/4"/sec.	Portable two-speed, dual-track tape playback unit with "Unimagic" single-lever control for play, fast forward and rewind. Plays any standard 7 1/2"/sec. and 3 3/4"/sec. recorded tape. Complete with amplifier and speaker. Single-track units also available (\$154.95).
	 Pentron Stereophonic Tape Player Model PS-1 \$249.95	(as above)	Consists of two-speed tape deck and two preamplifiers in consolette wood cabinet. Plays stacked stereo, staggered stereo, full track or half-track tapes at 7 1/2" or 3 3/4"/sec. Preamps equalized to NARTB standards. Separate volume, tone and master gain controls. "Unimagic" single lever control for play, fast forward and rewind. Instantaneous automatic braking. Shipping weight, 33 lb.
PREMIER ELECTRONIC LABORATORIES 382 Lafayette St. New York 3, N. Y.	 Pentron "Dynacord" Model DM-2 Tape Mechanism \$395.00 Model DS-10 Preamplifier \$130.00 Tape Mechanism Case, \$30.00 Amplifier Case, \$25.00	40-15,000 cycles (±2 db) at 15"/sec. 40-10,000 cycles (±2 db) at 7 1/2"/sec.	Professional type, dual-speed recorder for rack or portable mounting. Standard speed, 7 1/2" and 15"/sec. Also available for 3 3/4" and 7 1/2" speeds. Signal-to-noise, over 55 db. Flutter and wow, under 0.2% at 15"/sec. Starting and stopping time, 0.1 second at 15"/sec. Playback timing accuracy, ± 0.2%. Rewind time, less than 60 sec. for 2400 ft. reel. Three separate heads. High inertia, direct capstan drive. Dynamic braking. Push-button controls with automatic cycling for record, fast traverse, play and stop. Erase interlock, automatic stop and instantaneous stop bar. Monitors from input or from tape while recording.
	 "Tapesonic" Model 70-C \$398.75	30-18,000 cycles (±3 db) at 15"/sec. 30-15,000 cycles (±3 db) at 7 1/2"/sec. 30-7,500 cycles (±3 db) at 3 3/4"/sec.	Portable professional type three-speed recorder. Three motors, including hysteresis synchronous drive motor. 4 1/2" VU meter. Push button operation using seven relays and one solenoid. Three separate heads, permitting instantaneous monitoring from tape while recording. A.B. switch permits comparison between original and recorded program. Flutter and wow 0.1%. Mixing channels for mike, radio or phono inputs. Full protection against accidental erase. Bass and treble controls with flat response setting. Fast forward and rewind, less than one minute for 2400 ft. Electro dynamic brake action and tape tension, never requires adjustment. D.C. on preamp heaters. Push-pull 12 watts audio output.